



January 1, 2004

Re: Well Rock House 6D-32
SE/NW, Sec. ~~23~~³², T10S, R23E
Lease No. ML-47063

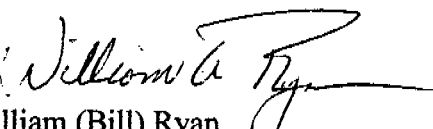
Utah Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Dear Sirs:

The Houston Exploration Company respectfully requests permission to drill the subject well. Please see the attached APD. The subject well was applied for and approved in 1998. Lone Mountain was the applicant for the original APD. The well name was State G 22-23. The lease was sold to Dominion. Dominion chose not to drill the well and let the APD laps. The Houston Exploration Company subsequently has acquired the lease.

The operator proposes the well be located in the same location, the only change will be the pad width.

If you have additional questions please contact:


William (Bill) Ryan
Rocky Mountain Consulting
Agent


435-789-0968 Office
435-828-0968 Cellular
435-789-0970 Fax

JAN 05 2004

NOTICE OF STAKING

NOTICE OF STAKING		6 Lease number UT ML-47063	
1	Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/>	7 If Indian, Allotte or Tribe NA	
2	Name of Operator The Houston Exploration Company	8 Unit Agreement Name NA	
3	Name of Specific Contact Person William A Ryan	9 Farm or lease Name NA	
4	Address & Phone Number of Operator or Agent 350 S 800 E Vernal, UT 84078	10 Well No. RH 6D-32	
5	Surface Location of Well SE 1/4 NW 1/4 Attach: a) Sketch showing road entry onto pad, pad dimension, and reserve pit b) Topographic or other acceptable map showing location, access road, and lease Boundaries.	11 Field or Wildcat	
15	Formation Objective(s) Wasatch Mesaverde	12 Sec., T., R., M or Blk/ and Survey or Area Sec. 32, T10S, R23E	
		13 County Uintah	14 State UT
17	Additional information (as appropriate, shall include surface owner's name, address and if known telephone number)		

Access to sec. 32, T10S, R23E will be via Saddle Tree Draw West Fork. The access road is also listed as a Class "D" road by Uintah County.

18	Signed  Title Agent Date 1-6-04
Note	Upon receipt of Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operator must consider the following prior to the onsite.

- a) H2S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit

SELF-CERTIFICATION STATEMENT

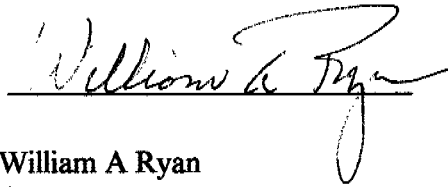
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that The Houston Exploration Company are considered to be operator of the following well.

Rock House 6D-32
SE ¼ NW ¼ Section 32, T10S, R23E
Lease UT ML-47063
Uintah County, Utah

The Houston Exploration Company is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond UTB10455043 provides state wide bond coverage on all Federal lands.

A handwritten signature in cursive script, reading "William A. Ryan", is written over a horizontal line.

William A Ryan
Agent
Rocky Mountain Consulting
350 S. 800E.
Vernal, UT 84078
435-789-0968 Office
435-828-0968 Cell

Ten Point Plan

The Houston Exploration Company

RH 6D-32

Surface Location SE ¼, Section 32, T. 10S., R. 23 E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	+5,193' G.L.
Oil Shale	93	+5,100
Wasatch	3,656	+1,537
Mesaverda formation	5,326	-133
Castlegate	7,841	-2,648
Mancos	8,046	-2,853
T.D.	8,056	-2,863

3. Producing Formation Depth:

Formation objective includes the Wasatch and the Mesaverde.

Off Set Well information: None

Off set well: None

4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade Weight/FT</u>	<u>Setting & Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
12 1/2	9 5/8	36	J-55/STC	1500'	NEW
7 7/8	5 1/2	17	N-80/L+C	T.D.	NEW

Cement Program:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
9 5/8	Class "G" 2% Calcium 1/4 #/sk Cello Flake	200 sks. +/- 842 SKS - see BT Calcs or 642 SKS w/o loss circulation	1.18 cu ft./sk	15.6 lbs./gal. 2/4/04 DND
5 1/2 Lead.	Class "G" 3% salt 16% gel (Bentonite) 10# sk Gilsonite .4 lbs./sk FL-25	200 sks. +/- 1265 SKS - see BT calcs	3.90 cu. ft./sk	11.0 lbs./gal. 2/4/04 DND

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-1500	Air/Clear Water	-----	No Control	Water/Gel
	Clear Water	-----	No Control	Water/Gel
1500-T.D.	8.4-8.6	30	8-10	Water/Gel

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging:

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures and or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation and Mesaverde. Other wells drilled in the area have not encountered over pressured zones or H₂S.

10. Drilling Schedule:

The anticipated starting date is Feb. 1, 2004. Duration of operations is expected to be 30 days.

THE HOUSTON EXPLORATION COMPANY

13 POINT SURFACE USE PLAN

FOR WELL

ROCK HOUSE 6D-32

LOCATED IN SE $\frac{1}{4}$, SW $\frac{1}{4}$

SECTION 32, T. 10 S, R.23 E., ^{SL}~~U.S.D. & M.~~

UINTAH COUNTY, UTAH

LEASE NUMBER: UT ML-47063

SURFACE OWNERSHIP: STATE OF UTAH AND FEDERAL

1. Existing Roads:

To reach **The Houston Exploration Co. well R.H 6D-32 in Section 32, T 10 S, R 23 E**, from Bonanza, Utah:

Starting in Bonanza, Utah.

Proceed south on the paved road for 4 miles.

Turn south (left) on the Book Cliffs road (dirt road). Proceed south 3.9 miles to Greeks Corrals.

Turn west (right) at the fork in the road. Proceed 8.3 miles to the Asphalt Wash sign.

Stay to the south (left) of the sign. Proceed .7 miles to the Rainbow sign.

Stay to the west (right) of the sign. This is also called the Kings Wells road. Proceed 10.2 miles.

Turn North (right). Proceed 3.6 miles.

Turn west (left) follow the 10 " pipe line. Proceed 1.4 miles.

Turn North (right) Proceed 2.0 miles. The proposed access road will start at this point.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed location will require approximately 50 feet of new road construction.

The road will be built to the following standards:

- | | |
|----------------------------------|-------------|
| A) Approximate length | 50 Ft. |
| B) Right of Way width | 30 Ft. |
| C) Running surface | 18 Ft. |
| D) Surface material | Native soil |
| E) Maximum grade | 5% |
| F) Fence crossing | None |
| G) Culvert | None |
| H) Turnouts | None |
| I) Major cuts and fills | None |
| J) Road Flagged | Yes |
| K) Access road surface ownership | |

State of Utah & Federal

- | | |
|----------------------------------|------|
| L) All new construction on lease | Yes |
| M) Pipe line crossing | None |

Please see the attached location plat for additional details.

A right of way will not be required. All surface disturbance for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one mile radius of the location site.

- | | |
|-----------------------------------|-------------------------------------|
| A) Producing well | HR Fed. 11-6
Sec. 11, T12S, R23E |
| B) Water well | None |
| C) Abandoned well | None |
| D) Temp. abandoned well | None |
| E) Disposal well | None |
| F) Drilling /Permitted well | None |
| G) Shut in wells | None |
| H) Injection well | None |
| I) Monitoring or observation well | None |

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Juniper Green color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Juniper Green.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 3.2 miles of 4" or 6" gathering line would be constructed

on State of Utah and Federal Lands. The line would tie into the existing line in Section 9, T11S, R23E. The line will be strung along side the existing BLM maintained road and boomed of to the east side of the road.

Please see the attached location diagrams for pipe line location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the well head. The gas line will be buried or anchored down from the well head to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter proving schedule. A copy of the meter calibration report will be submitted to the **State of Utah, Division of Oil, Gas, and Mining.** All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing may come from any of three

sources. One could be water trucked or pumped from the White River. The location would be in Sec. 20, T10S, R23E. The second could be water truck from Rosewoods water station in Section 13, T11S, R23E. The third location may be Evacuation Creek permit 49-1595. The Evacuation Creek distribution Point is in Section 7, T11S, R25E. Water for completion will come from the same supply or Vernal City.

6. Source of construction materials

All construction material for this location site and access road shall be borrowed material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 10 ft. deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will not be lined unless the pit is blasted or soil conditions would warrant a pit liner.

The reserve pit will not be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water

for drilling will come from a frac. tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized land-fill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

A) Pad length	325 ft.
B) Pad width	155 ft.
C) Pit depth	10 ft.
D) Pit length	180 ft.
E) Pit width	50 ft.
F) Max cut	9.6 ft.
G) Max fill	13.7 ft
H) Total cut yds.	7,750 cu yds
I) Pit location	east side
J) Top soil location	north & south end
K) Access road location	south end
L) Flare Pit	corner B

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.

- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,000 cubic yards of material.

Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rain fall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

A) Seeding dates:

Seed will be spread when top soil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

Four wing salt brush	4#/acre
Shad scale	3#/acre
Needle & thread grass	3#/acre
Western wheat grass	2#/acre

11. Surface ownership:

Access road	State of Utah & Federal
Location	State of Utah
Pipe line	State of Utah

12. Other information:

A) Vegetation

The vegetation coverage is slight. The majority of the existing vegetation consists of sage brush. Rabbit brush, bitter brush, and Indian rice grass are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one mile radius of the location.

C) Archeology:

The location has not been surveyed. A copy of that survey has been forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations which would effect such sites will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the White River located 4 miles to the North.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

a) Location Construction

At least forty eight (48) hours prior to construction of location and access roads.

b) Location completion

Prior to moving on the drilling rig.

c) Spud notice

At least twenty-four (24) hours prior to spudding the well.

d) Casing string and cementing

At least twenty-four (24) hours prior to running casing and cementing all casing strings.

e) BOP and related equipment tests

At least twenty-four (24) hours prior to initial pressure tests.

f) First production notice

Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in corner B of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan

Rocky Mountain Consulting
350 S 800 E
Vernal, UT 84078

Office 435-789-0968

Fax 435-789-0970

Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the

actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

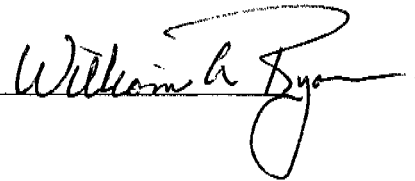
Onsite Dates:

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date



William A. Ryan, Agent
Rocky Mountain Consulting

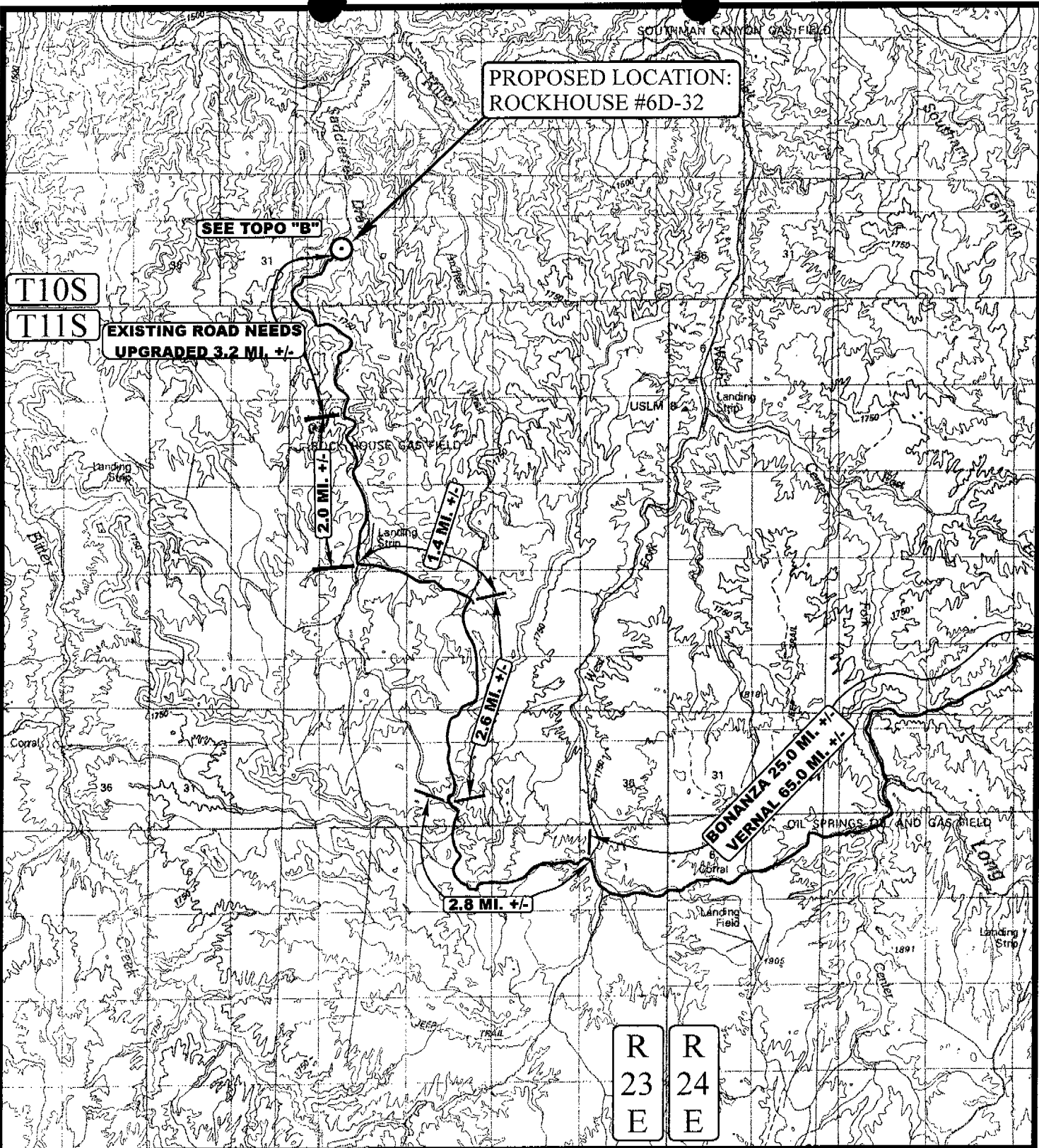
Statement of use of Hazardous Materials

No chemical(s) from the EPA's Consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986. Will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored transported, disposed, or associated with the proposed action.

If you require additional information please contact.

William A Ryan
Agent for The Houston Exploration Company
Rocky Mountain Consulting
350 S. 800 E.
Vernal UT 84078

435-789-9068 Office
435-828-968 Cell
435-789-0970 Fax



LEGEND:

○ PROPOSED LOCATION



THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #6D-32
SECTION 32, T10S, R23E, S.L.B.&M.
1938' FNL 2121' FWL



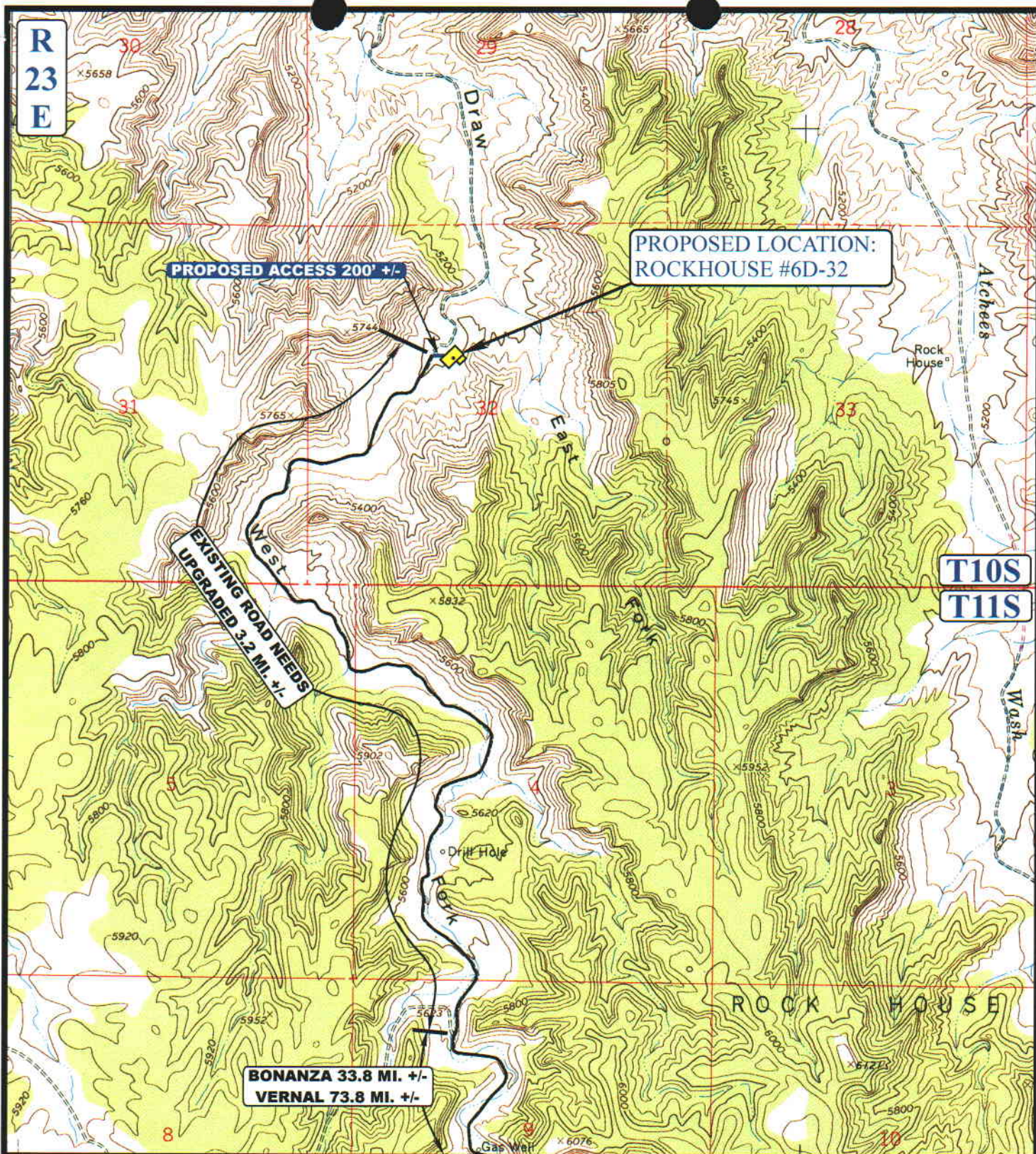
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

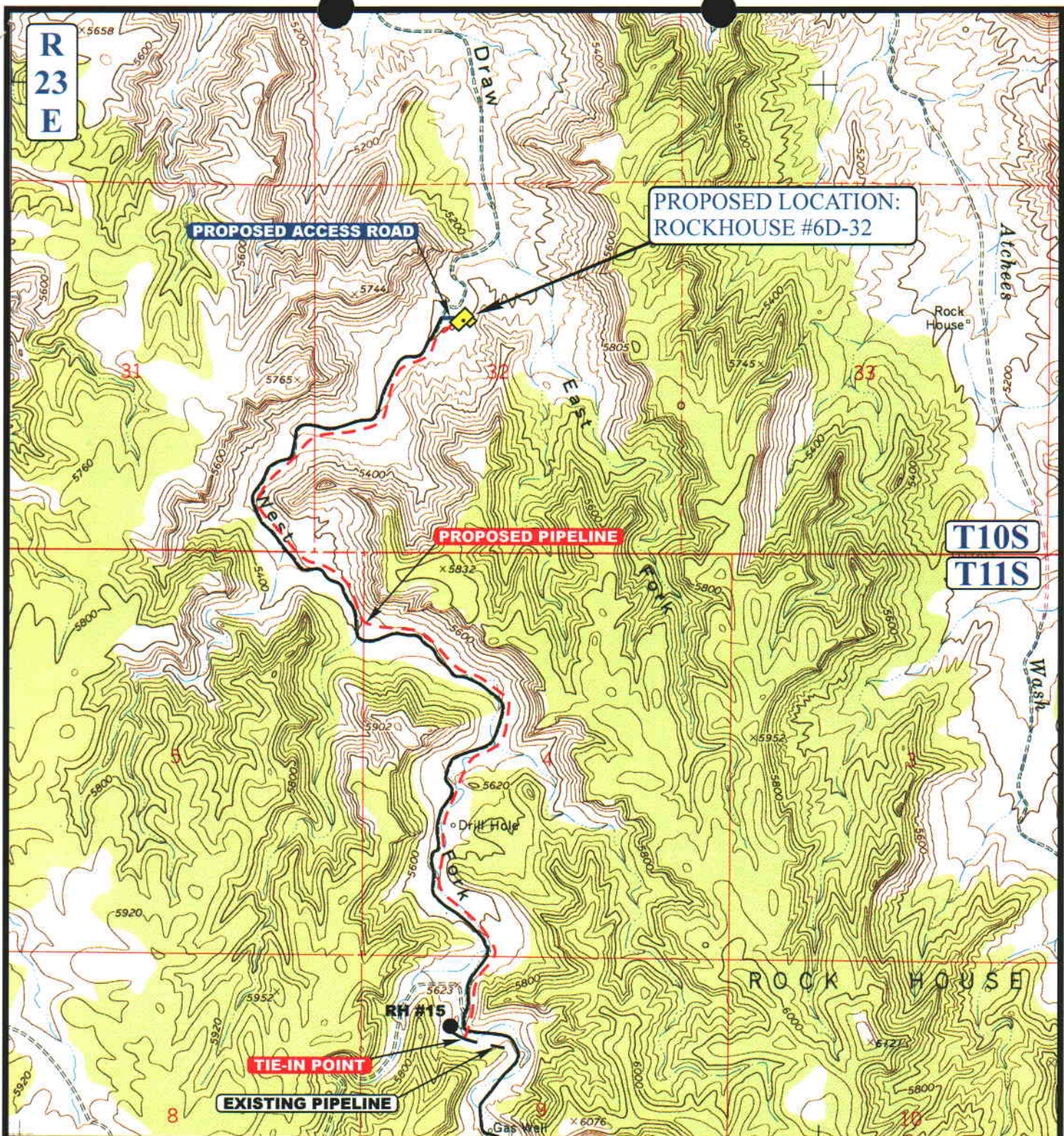
**TOPOGRAPHIC
MAP**

5 28 98
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.G. REV: 12-10-03 D.COX







APPROXIMATE TOTAL PIPELINE DISTANCE = 16,900' +/-

LEGEND:

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #6D-32

SECTION 32, T10S, R23E, S.L.B.&M.

1938' FNL 2121' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

5 28 98
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.G.

REV: 12-10-03 D.COX

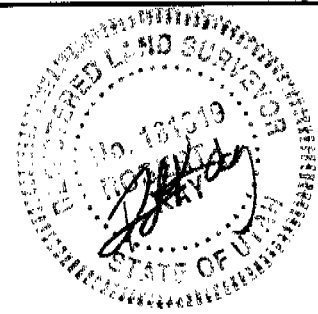


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

THE HOUSTON EXPLORATION COMPANY

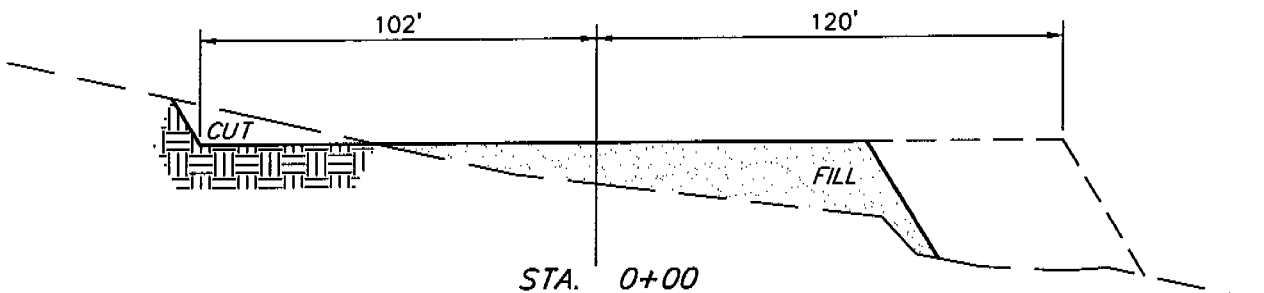
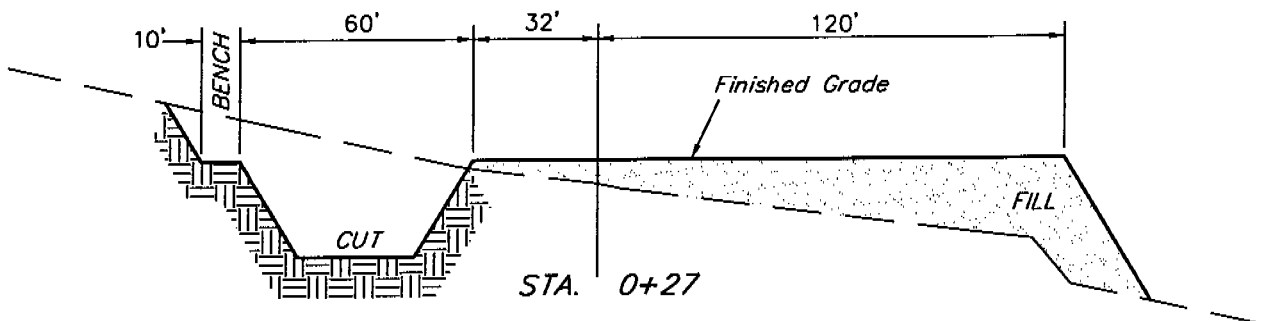
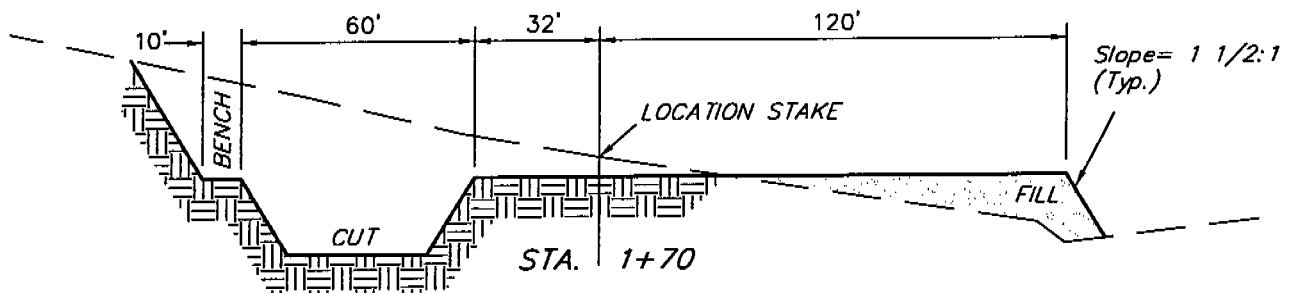
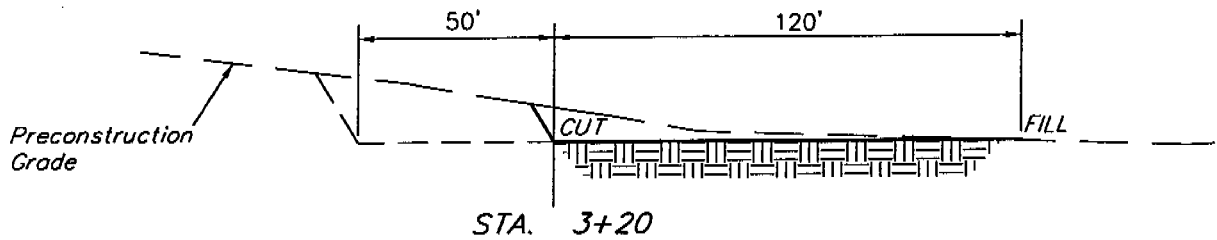
TYPICAL CROSS SECTIONS FOR

ROCKHOUSE #6D-32
SECTION 32, T10S, R23E, S.L.B.&M.
1938' FNL 2121' FWL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 12-09-03
Drawn By: D.COX



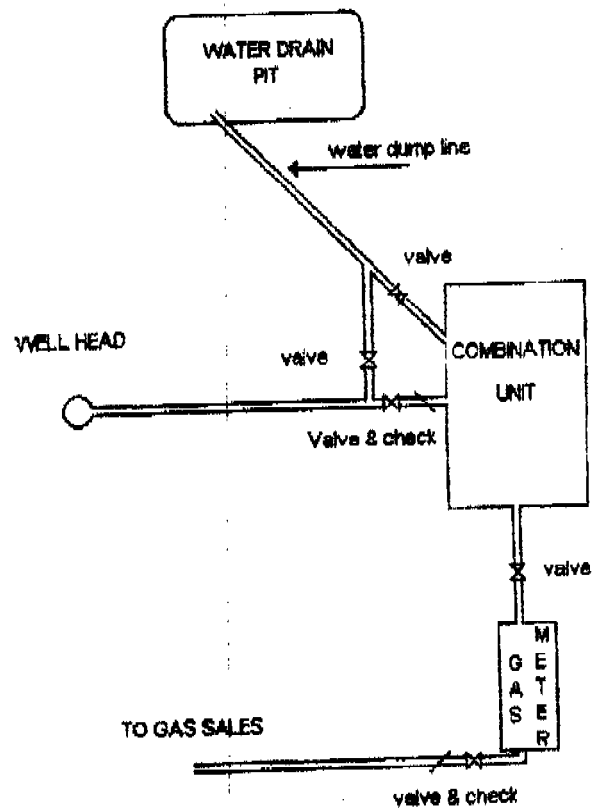
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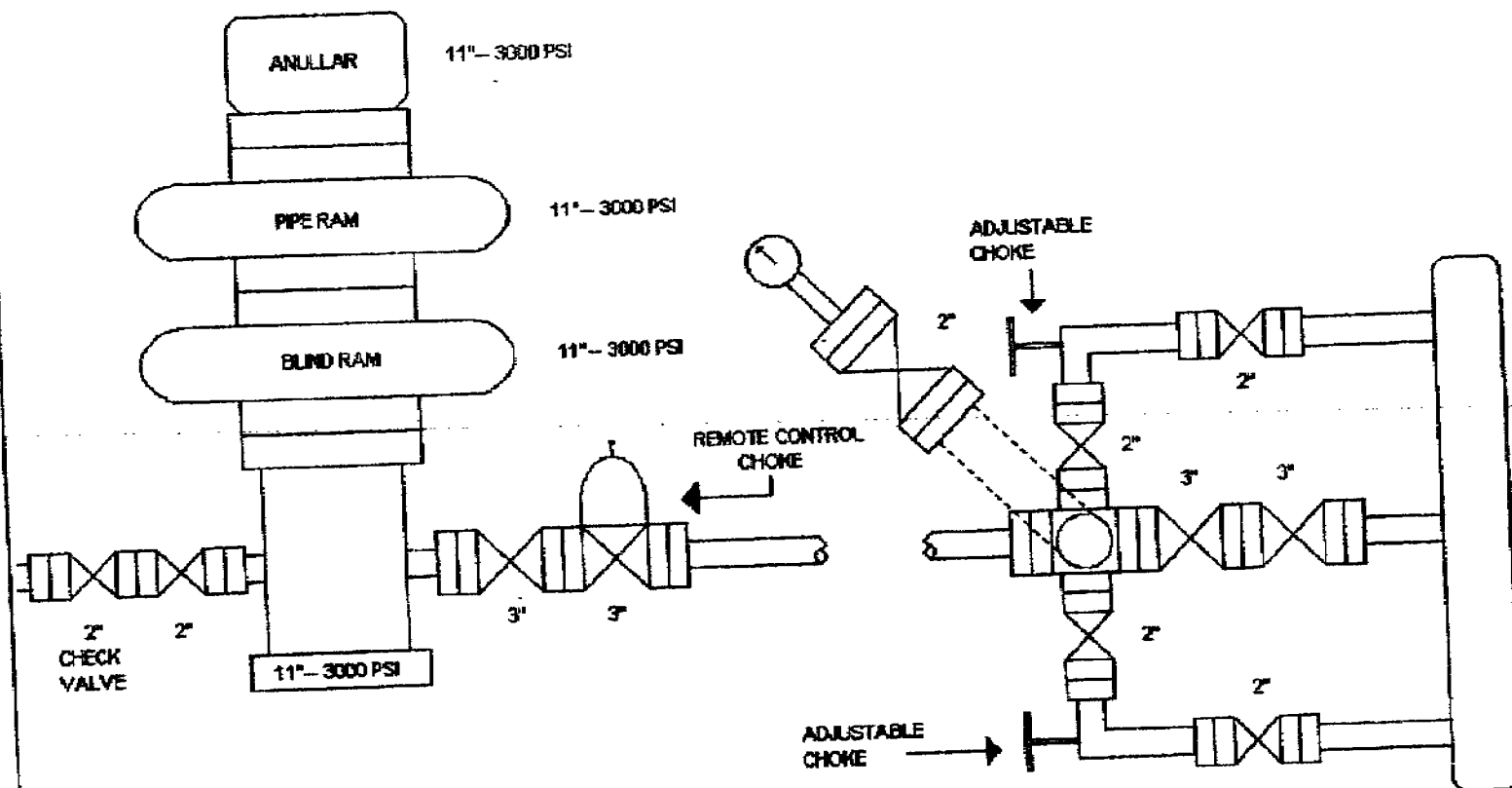
(6") Topsoil Stripping = 1,190 Cu. Yds.
Remaining Location = 6,920 Cu. Yds.
TOTAL CUT = 8,110 CU.YDS.
FILL = 5,330 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 2,500 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 2,500 Cu. Yds.
EXCESS UNBALANCE
(After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

TYPICAL
GAS WELL





STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

001

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: UT ML-47063	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
8. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: THE HOUSTON EXPLORATION COMPANY				9. WELL NAME and NUMBER: ROCK HOUSE 6D-32	
3. ADDRESS OF OPERATOR: 1100 LOUISIANA SUITE HOUSTON TX 77002-5215			PHONE NUMBER: (713) 830-6973		
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1938' FNL 2121 FWL SE/NW 4418545Y 39.90718 640812 X -109.35198 AT PROPOSED PRODUCING ZONE:				10. FIELD AND POOL, OR WILDCAT: Natural Brines	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:				12. COUNTY: UINTAH	
				13. STATE: UTAH	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1938		16. NUMBER OF ACRES IN LEASE: 640		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA		19. PROPOSED DEPTH: 8,056		20. BOND DESCRIPTION: BOND # 10455043	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5193'		22. APPROXIMATE DATE WORK WILL START: 2/15/2004		23. ESTIMATED DURATION: 30 DAYS	

24. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	9 5/8	J-55	36	1,500	TO SURFACE
7 7/8	5 1/2	N-80	17	0-TD	CEMENT TOP TO SURFACE CEG.

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) **WILLIAM A RYAN** *William A Ryan* TITLE **AGENT**

SIGNATURE _____ DATE **1/6/2004**

(This space for State use only)

API NUMBER ASSIGNED: **43-047-35409**

**Approved by the
Utah Division of
Oil, Gas and Mining**

RECEIVED

JAN 07 2004

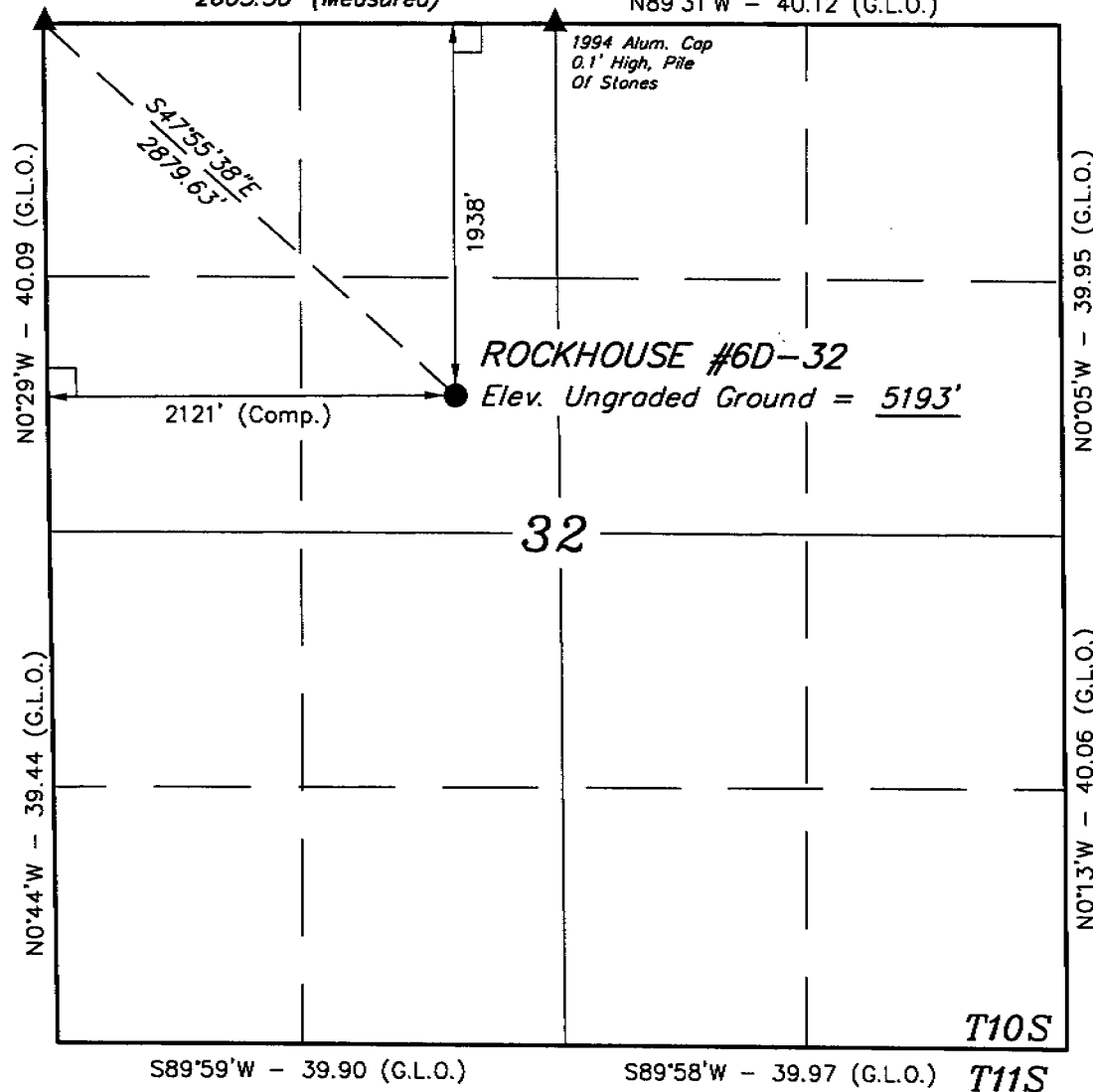
DEPT. OF OIL, GAS & MINING

T10S, R23E, S.L.B.&M.

1994 Alum. Cap, 0.5' High, Pile Of Stones S89°46'W - G.L.O. (Basis of Bearings)
2663.50' (Measured)

N89°31'W - 40.12 (G.L.O.)

1994 Alum. Cap
0.1' High, Pile
Of Stones



S89°59'W - 39.90 (G.L.O.)

S89°58'W - 39.97 (G.L.O.) T11S

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

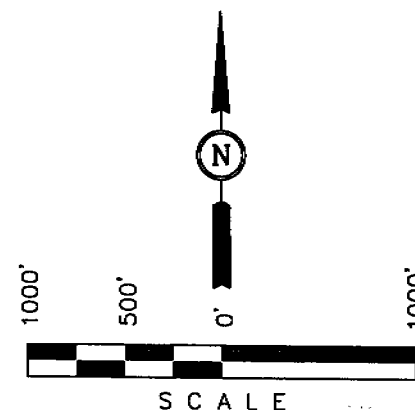
(SCALED NAD 27)
LATITUDE = 39°54'26"
LONGITUDE = 109°21'06"

THE HOUSTON EXPLORATION COMPANY

Well location, ROCKHOUSE #6D-32, located as shown in the SE 1/4 NW 1/4 of Section 32, T10S, R23E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NW 1/4 OF SECTION 27, T11S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE. QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6366 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 6734
STATE OF UTAH

REVISED: 12-09-03 D.COX

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-27-98	DATE DRAWN: 05-29-98
PARTY K.K. J.B. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE THE HOUSTON EXPLORATION COMPANY	

004

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/07/2004

API NO. ASSIGNED: 43-047-35409

WELL NAME: ROCKHOUSE 6D-32

OPERATOR: HOUSTON EXPLORATION CO, (N2525)

CONTACT: WILLIAM RYAN

PHONE NUMBER: 713-830-6973

PROPOSED LOCATION:

SENW 32 100S 230E

SURFACE: 1938 FNL 2121 FWL

BOTTOM: 1938 FNL 2121 FWL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-47063 *OK*

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MNCS

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>DKD</i>	<i>2/4/04</i>
Geology		
Surface		

LATITUDE: 39.90718

LONGITUDE: 109.35198

RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 10455043 *OK*)☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit
(No. 49-1595)☒ RDCC Review (Y/N)
(Date:)☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception☐ Drilling Unit

Board Cause No:

Eff Date:

Siting:

☐ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (01-21-04)

STIPULATIONS:

*1- Spacing Strip**2- STATEMENT OF BASIS*

NATURAL BUTTES FIELD

CAUSE: 179-3

STATE G
22-32
✓
ROCK HOUSE
6D-32

ROCK HOUSE
11-31

SADDLE TREE
DRAW 14-31

SADDLE TREE
DRAW 16-31

ROCK HOUSE FIELD ROCK HOUSE UNIT

CAUSE: 210-3

CAUSE: 210-3

ROCKHOUSE U7

CRACKER
FEDERAL 3

WELLS
FED 3-1

ACOSTA 1

OPERATOR: HOUSTON EXPL CO (N2525)

SEC. 32 T.10S, R.23E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Wells

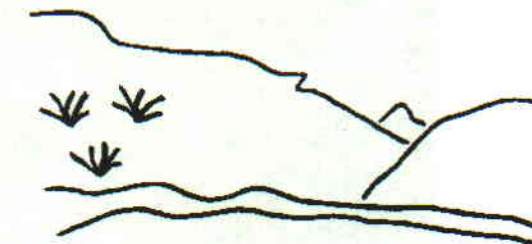
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 8-JANUARY-2004

002

From: Ed Bonner
To: Whitney, Diana
Date: 1/12/04 8:55AM
Subject: Re: The Houston Expl. Co. Lease and Bond numbers

The Houston Exploration Company ML 47063 is OK. Bond No. is 104155043. Your e-mail was missing the number 1 in the fourth place

Well name:

01-04 Houston Rock House 6D-32

Operator:

Houston Exploration Company

String type:

Surface

Project ID:

43-047-35049

Location:

Uintah County**Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 96 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 1,128 ft

Burst

Max anticipated surface

pressure: 1,320 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 1,500 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 1,313 ft

Re subsequent strings:

Next setting depth: 8,056 ft

Next mud weight: 8.600 ppg

Next setting BHP: 3,599 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,500 ft

Injection pressure 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	106.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	654	2020	3.087	1500	3520	2.35	47	394	8.33 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & MiningPhone: 801-538-5280
FAX: 801-359-3940Date: January 22, 2004
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	01-04 Houston Rock House 6D-32	
Operator:	Houston Exploration Company	Project ID:
String type:	Production	43-047-35049
Location:	Uintah County	

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 188 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 7,206 ft

Burst

Max anticipated surface pressure: 2,632 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,599 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 7,005 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8056	5.5	17.00	N-80	LT&C	8056	8056	4.767	277.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3599	6290	1.748	3599	7740	2.15	119	348	2.92 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: 801-538-5280
FAX: 801-359-3940

Date: January 22, 2004
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8056 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER: ROCKHOUSE 6D-32
API NUMBER: 43-047-35409
LOCATION: 1/4, 1/4 SE/NW Sec: 32 TWP: 10S RNG: 23E 2121' FWL 1938' FNL

Geology/Ground Water:

Houston proposes to set 1,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Green River Formation. The Green River Formation is made up of interbedded limestones, shales and sandstones. The proposed casing and cementing program should adequately protect any underground sources of useable water.

Reviewer: Brad Hill **Date:** 01-22-04

Surface:

The predrill investigation of the surface was performed on 01/20/04. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 01/11/04. Mr. Bartlett was present. He had no concerns regarding the construction of this location or the drilling of the well. SITLA did not have a representative present. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area.

Reviewer: David W. Hackford **Date:** 01/21/2004

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER: ROCKHOUSE 6D-32
API NUMBER: 43-047-35409
LEASE: ML-47063 **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4, 1/4 SE/NW Sec: 32 TWP: 10S RNG: 23E 2121' FWL 1938' FNL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.
GPS COORD (UTM): 640873E 4418563N **SURFACE OWNER:** STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM). FLOYD BARTLETT (DWR). BILL RYAN, GINGER STRINGHAM (HOUSTON).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN THE BOTTOM OF SADDLETREE DRAW, 300' EAST OF THE DRY WATERCOURSE WHICH RUNS DOWN THIS DRAW. THIS DRAW RUNS TO THE NORTH AND ENTERS THE WHITE RIVER 1.4 MILES AWAY. AT THIS POINT, SADDLETREE DRAW HAS A RELATIVELY FLAT BOTTOM APPROX. 600' WIDE WITH STEEP AND RUGGED RIDGES TO THE EAST AND WEST. THE SLOPES OF THESE RIDGES HAVE NUMEROUS SANDSTONE OUTCROPPINGS AND SHEER CLIFFS AND LEDGES.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 320' BY 212'. ACCESS ROAD WILL BE 200 FEET, AND IT WILL BE NECESSARY TO UPGRADE 3.2 MILES OF EXISTING ROAD. THE FIRST 2.7 MILES OF THIS UPGRADE WILL BE ON LAND ADMINISTERED BY THE BLM.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE:
DEER, ANTELOPE, RODENTS, RAPTORS, SONGBIRDS, BOBCAT, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 170' BY 60' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE
REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY SAGEBRUSH
ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON
FILE.

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, SUNNY DAY WITH
SCATTERED SNOW COVER.

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

1/21/04, 11:30 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>0</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 20 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





01-04 Houston Rock House 00-32
Casing Schematic

Green River

Surface

9-5/8"
MW 8.4
Frac 19.3

TOC @
0.
93' oil shale
w/ 18% Washout
TOC @
504.
Surface
1500. MD

$$(.052)(8.6)(8056) = 3602$$

Anticipated < 3000

$$(.12)(8056) = 966$$

$$MAP = 2636$$

$$BOPE = 3000 \text{ proposed}$$

Adequate
DWD 2/4/04
2

5-1/2"
MW 8.6

3656 Wasatch
4200 Mud Saline
5326 Mesaverde
7841 Castlegate
8096 Mancos
Production
8056. MD

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICED AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significant casing setting wells below current bottom-hole depth, rework plugged wells, or to drill horizontal intervals. Use APPLICATION FOR PERMITS TO DRILL form for new proposals.

5 LEASE DESIGNATION AND SERIAL NUMBER:
ML-47063

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:
NA

7 UNIT OR CO AGREEMENT NAME:
NA

8 WELL NAME AND NUMBER:
Rock House 6D-32

9 APE NUMBER:

10 FIELD AND POOL OR WILDCAT:
None

1 TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2 NAME OF OPERATOR

The Houston Exploration Company

PHONE NUMBER

713-830-6800

3 ADDRESS OF OPERATOR

1100 Louisiana, Suite 2000, Houston TX 77002-6215

4 LOCATION OF WELL

COUNTY: **Uintah**

STATE: **UTAH**

FOOTAGE AT SURFACE:

1938' FNL, 2121 FWL

QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN

SE1/4 Section 23, T10S, R23E

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(submit in duplicate)

Approximate date with well start:

☐ SUBSEQUENT REPORT
(submit original form only)

Date of work completion:

☐ ABANDON

☐ ALTER CASING

☐ CASING REPAIRS

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMBINE PRODUCTION FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE-DIFFERENT FORMATION

☐ REPORT CURRENT FORMATION

☐ SHUT-IN TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIRS

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Additional info APO

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.

Operator would like to confer that cmt will be brought to the surface on both the long string and surface csg. An error was made on the cmt volumes reported on the APD.

Please see the attached cement program for both the surface and long string.

If you require additional information please feel free to contact me.

Bill Ryan
435-789-0968
435-828-0968

NAME (PLEASE PRINT) **William A. Ryan**

TITLE **Agent**

SIGNATURE *William A. Ryan*

DATE **2/3/2004**

(This space for State use only)

(5/2000)

RECEIVED
FEB 04 2004
DIV. OF OIL, GAS & MINING



Surface Csg

Cmt for Rock House 6D-32

JOB AT A GLANCE

Depth (TVD)	1,500 ft
Depth (MD)	1,500 ft
Hole Size	12.25 in
Casing Size/Weight :	9 5/8 in, 32.3 lbs/ft
Pump Via	9 5/8" O.D. (9.001" I.D) 32.3
Total Mix Water Required	3,953 gals
Spacer	
Dye Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Water Spacer	10 bbls
Density	8.3 ppg
Cement Slurry	
Class G + 2% CaCl	582 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
Displacement	
Displacement Fluid	91 bbls
Density	8.3 ppg
Top-Out Slurry	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
Top-Out Slurry	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

RECEIVED
FEB 04 2004
DIV. OF OIL, GAS & MINING

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.275 CASING	80	80
12.250 HOLE	1,500	1,500

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.625	9.001	32.3	1,500	1,500

Float Collar set @ 1,460 ft
 Mud Density 8.34 ppg
 Mud Type Water Based
 Est. Static Temp. 99 ° F
 Est. Circ. Temp. 82 ° F

VOLUME CALCULATIONS

80 ft x 0.3165 cf/ft with 0 % excess = 25.3 cf
 1,420 ft x 0.3132 cf/ft with 60 % excess = 711.6 cf
 40 ft x 0.4419 cf/ft with 0 % excess = 17.7 cf (inside pipe)
TOTAL SLURRY VOLUME = 7542.6 cf
 = 108 bbls

RECEIVED
 FEB 04 2004
 DIV. OF OIL, GAS & MINING

FLUID SPECIFICATIONS

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg
 Spacer 10.0 bbls Gelled Water Spacer + 200 lbs Bentonite - Sacked @ 8.34 ppg
 Spacer 10.0 bbls Water Spacer @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Cement Slurry	711	/ 1.2	= 592 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement			91.3 bbls Displacement Fluid @ 8.34 ppg
Top-Out Slurry	59	/ 1.18	= 50 sacks Class G Cement
Top-Out Slurry	236	/ 1.18	= 200 sacks Class G Cement

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2	SLURRY NO. 3
Slurry Weight (ppg)	15.60	15.60	15.60
Slurry Yield (cf/sack)	1.20	1.18	1.18
Amount of Mix Water (gps)	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)	1:30		

NOTE: If loss circulation is observed during drilling, the above schedule will be followed. If losses are not observed, follow the schedule in Proposal #286150589.

Bring 600# of Ca Cl on the side for Top-Out.

Run 20 gals of Sodium Silicate ahead of Top-Out Slurry (#1).

Continue to top out until Cement has surfaced.

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JOB AT A GLANCE

Depth (TVD)	1,500 ft
Depth (MD)	1,500 ft
Hole Size	12.25 in
Casing Size/Weight :	9 5/8 in, 32.3 lbs/ft
Pump Via	9 5/8" O.D. (9.001" I.D) 32.3
Total Mix Water Required	4,471 gals

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JOB AT A GLANCE (Continued)

Spacer	
Dye Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Water Spacer	10 bbls
Density	8.3 ppg
1st Lead Slurry	
Premium Lite II	142 sacks
Density	11.0 ppg
Yield	3.38 cf/sack
Cement Slurry	
Class G + 2% CaCl	212 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
Displacement	
Displacement Fluid	91 bbls
Density	8.3 ppg
Top-Out Slurry	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
Top-Out Slurry	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

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WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.275 CASING	80	80
12.250 HOLE	1,500	1,500

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.825	9.001	32.3	1,500	1,500

Float Collar set @	1,480 ft
Mud Density	8.34 ppg
Mud Type	Water Based
Est. Static Temp.	99 ° F
Est. Circ. Temp.	82 ° F

VOLUME CALCULATIONS

40 ft	x	0.3165 cf/ft	with	0 % excess	=	12.8 cf
980 ft	x	0.3132 cf/ft	with	80 % excess	=	481.9 cf
472 ft	x	0.3132 cf/ft	with	80 % excess	=	236.3 cf
40 ft	x	0.4419 cf/ft	with	0 % excess	=	17.7 cf (inside pipe)
TOTAL SLURRY VOLUME					=	591.6 cf
					=	105 bbls

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FLUID SPECIFICATIONS

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg
 Spacer 10.0 bbls Gelled Water Spacer + 200 lbs Bentonite - Sacked @ 8.34 ppg
 Spacer 10.0 bbls Water Spacer @ 8.34 ppg

FLUID	VOLUME CU-FT		VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
1st Lead Slurry	481	/	3.38	= 142 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gpc FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 198.7% Fresh Water
Cement Slurry	254	/	1.2	= 212 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement				91.3 bbls Displacement Fluid @ 8.34 ppg
Top-Out Slurry	59	/	1.18	= 50 sacks Class G Cement
Top-Out Slurry	236	/	1.18	= 200 sacks Class G Cement

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2	SLURRY NO. 3	SLURRY NO. 4
Slurry Weight (ppg)	11.00	15.60	15.60	15.60
Slurry Yield (cf/sack)	3.38	1.20	1.18	1.18
Amount of Mix Water (gps)	20.52	5.24	5.23	5.23
Amount of Mix Fluid (gps)	20.52	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)		1:30		

NOTE: If loss circulation is not observed during drilling, the above schedule will be followed. If losses are observed, follow the schedule in Proposal #100182870.

Bring 600# of CaCl2 on the site for Top-Out.

Run 20 gals of Sodium Silicate ahead of Top-Out Slurry (#1).

Continue to top out until Cement has surfaced.

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Long String

Cut for Rock Haven 6D-32.

JOB AT A GLANCE

Depth (TVD)	8056 ft
Depth (MD)	8056 ft
Hole Size	7 7/8 in
Casing Size/Weight :	5 1/2 in, 17 lbs/ft
Pump Via	6 1/5" O.D. (4.892" I.D) 17 #
Total Mix Water Required	9598 gals

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DIV. OF OIL, GAS & MINING



JOB AT A GLANCE (Continued)

Spacer	
Dye Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
Spacer	
Water Spacer	10 bbls
Density	8.3 ppg
1st Lead Slurry	
Premium Lite II	281 sacks
Density	11.0 ppg
Yield	3.38 cf/sack
Cement Slurry	
Class G + 2% CaCl	734 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
Displacement	
Displacement Fluid	180.7 bbls
Density	9.2 ppg
Top-Out Slurry	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
Top-Out Slurry	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

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DIV. OF OIL, GAS & MINING



WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.921 CASING	1500	1500
7.875 HOLE	8056	8056

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.5	4.892	17	8056	8056

Float Collar set @ 8016 ft
 Mud Density 9.2 ppg
 Mud Type Water Based
 Est. Static Temp. 140 ° F
 Est. Circ. Temp. 120 ° F

VOLUME CALCULATIONS

1500 ft	x	0.2691 cf/ft	with	0 % excess	=	404 cf
2500 ft	x	0.1679 cf/ft	with	30 % excess	=	546 cf
4016 ft	x	0.1679 cf/ft	with	30 % excess	=	876 cf
40 ft	x	0.1305 cf/ft	with	0 % excess	=	5 cf (inside pipe)
TOTAL SLURRY VOLUME					=	1831 cf
					=	327 bbls

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DIV. OF OIL, GAS & MINING

**FLUID SPECIFICATIONS**

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg
Spacer 10.0 bbls Gelled Water Spacer + 200 lbs
Bentonite - Sacked @ 8.34 ppg
Spacer 10.0 bbls Water Spacer @ 8.34 ppg

FLUID	VOLUME CU-FT		VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
1st Lead Slurry	950	/	3.38	= 281 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 196.7% Fresh Water
Cement Slurry	881	/	1.2	= 734 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement				190.7 bbls Displacement Fluid @ 9.2 ppg
Top-Out Slurry	59	/	1.18	= 50 sacks Class G Cement
Top-Out Slurry	236	/	1.18	= 200 sacks Class G Cement

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2	SLURRY NO. 3	SLURRY NO. 4
Slurry Weight (ppg)	11.00	15.60	15.60	15.60
Slurry Yield (cf/sack)	3.38	1.20	1.18	1.18
Amount of Mix Water (gps)	20.52	6.24	5.23	5.23
Amount of Mix Fluid (gps)	20.52	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)		1:30		

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DIV. OF OIL, GAS & MINING



Office 435-789-0968

7th 801-359-3940

Cell 435-828-0968

Klint Deworshack

Kint I'm sorry this has taken so long to get back to you.

As we talked I'm also attaching a request to change the access road alignment on the Southman Canyon 6D-36.

If you have any additional questions please feel free to give me a call

Bill

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DIV. OF OIL, GAS & MINING

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICED AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significant changes existing wells below current bottom-hole depth, reenter plugged wells, or to
any proposed intervals. Use APPLICATION FOR PERMITS TO DRILL form for such proposals.

6 LEASE DESIGNATION AND SERIAL NUMBER:

ML 47782

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:

NA

7 UNIT OR CA AGREEMENT NAME

NA

8 WELL NAME AND NUMBER

Southman Canyon 6D-32

9 APE NUMBER:

43-047-35362

10 FIELD AND POOL OR WILDCAT:

None

1 TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2 NAME OF OPERATOR

The Houston Exploration Company

PHONE NUMBER

713-830-8800

3 ADDRESS OF OPERATOR

1100 Louisiana, Suite 2000, Houston TX 77002-6216

4 LOCATION OF WELL

COUNTY: Uintah

STATE: UTAH

FOOTAGE AT SURFACE:

2486' FNL, 2271' FWL

QUAD, SECTION, TOWNSHIP, RANGE, MERIDIAN

SENW, Sec. 36, T8S, R23E

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(prepared in duplicate)

REPAIRS TO BE MADE:
ASAP

☐ SUBSEQUENT REPORT
(same Original Form Only)

LINE OF WORK COMPLETION:

☐ ACIDISE

☐ ALTER CASING

☐ CASING REPAIRS

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMBUSTIBLE PRODUCTION FORMATIONS

☐ CONVERT WELL TYPE

☐ ASPHEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETES DIFFERENT FORMATION

☐ REPORT CURRENT FORMATION

☐ SETBACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIRS

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.

Operator proposes changing the access road location. After construction started on the access road above and below a switch back it became apparent that the switch back would be to tight a turn for tankers and water trucks. No construction has been performed on the switch back and all area proposed for disturbance by the realignment would be inside of the archeological surveyed area.

Please see the attached map for additional details.

If you require additional information please contact Bill Ryan (435-828-0968)

NAME (PLEASE PRINT)

William A. Ryan

TITLE

Agent

SIGNATURE

William A. Ryan

DATE

2/3/2004

(This space for State use only)

(8/2000)

RECEIVED

FEB 04 2004

DIV. OF OIL, GAS & MINING



Office 435-789-0968

Fax # 801-359-3940

Cell 435-828-0968

Klint Deworshack

Kint I'm sorry this has taken so long to get back to you.

As we talked I'm also attaching a request to change the access road alignment on the Southman Canyon 6D-36.

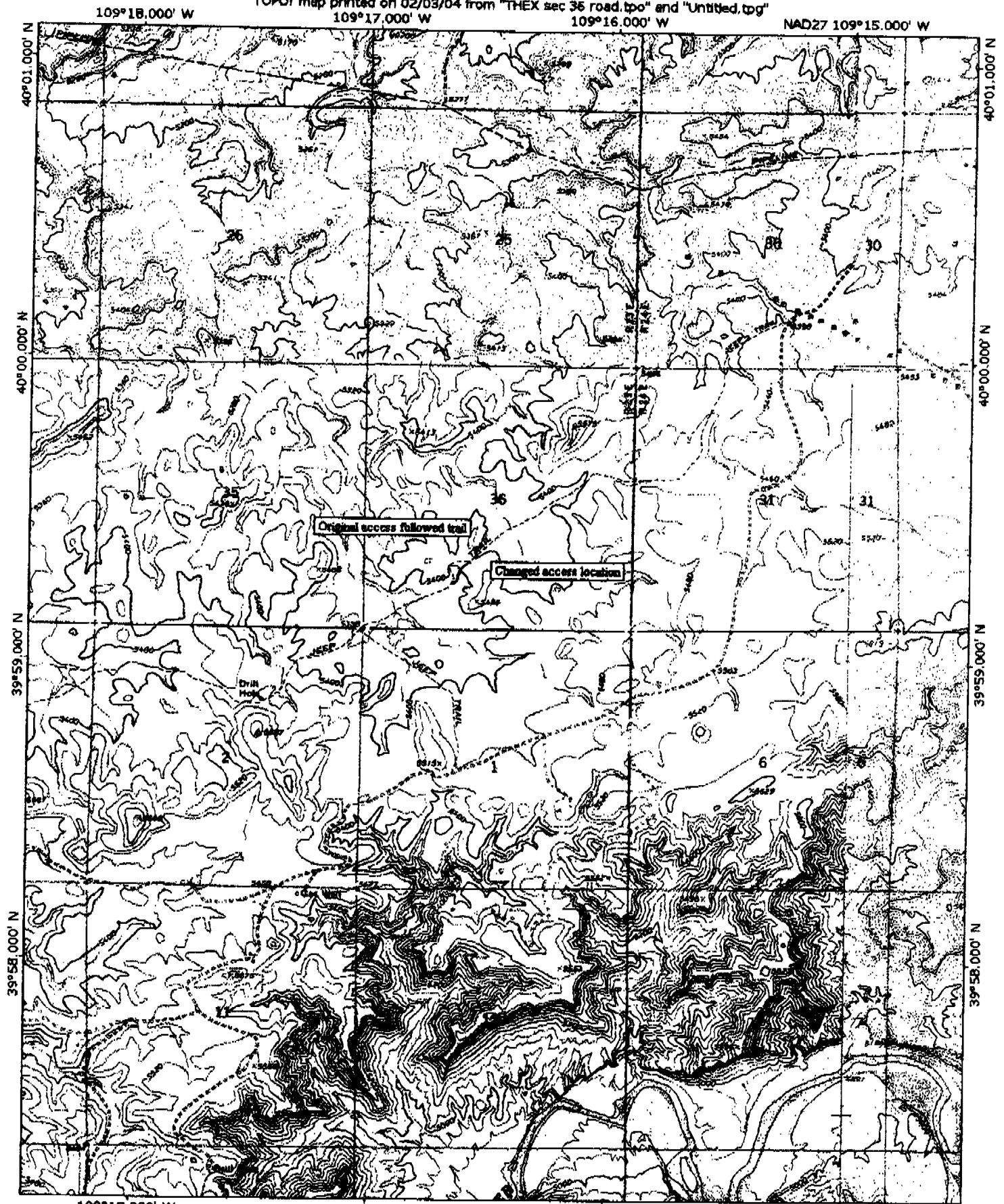
If you have any additional questions please feel free to give me a call

Bill

RECEIVED

FEB 04 2004

DIV. OF OIL, GAS & MINING

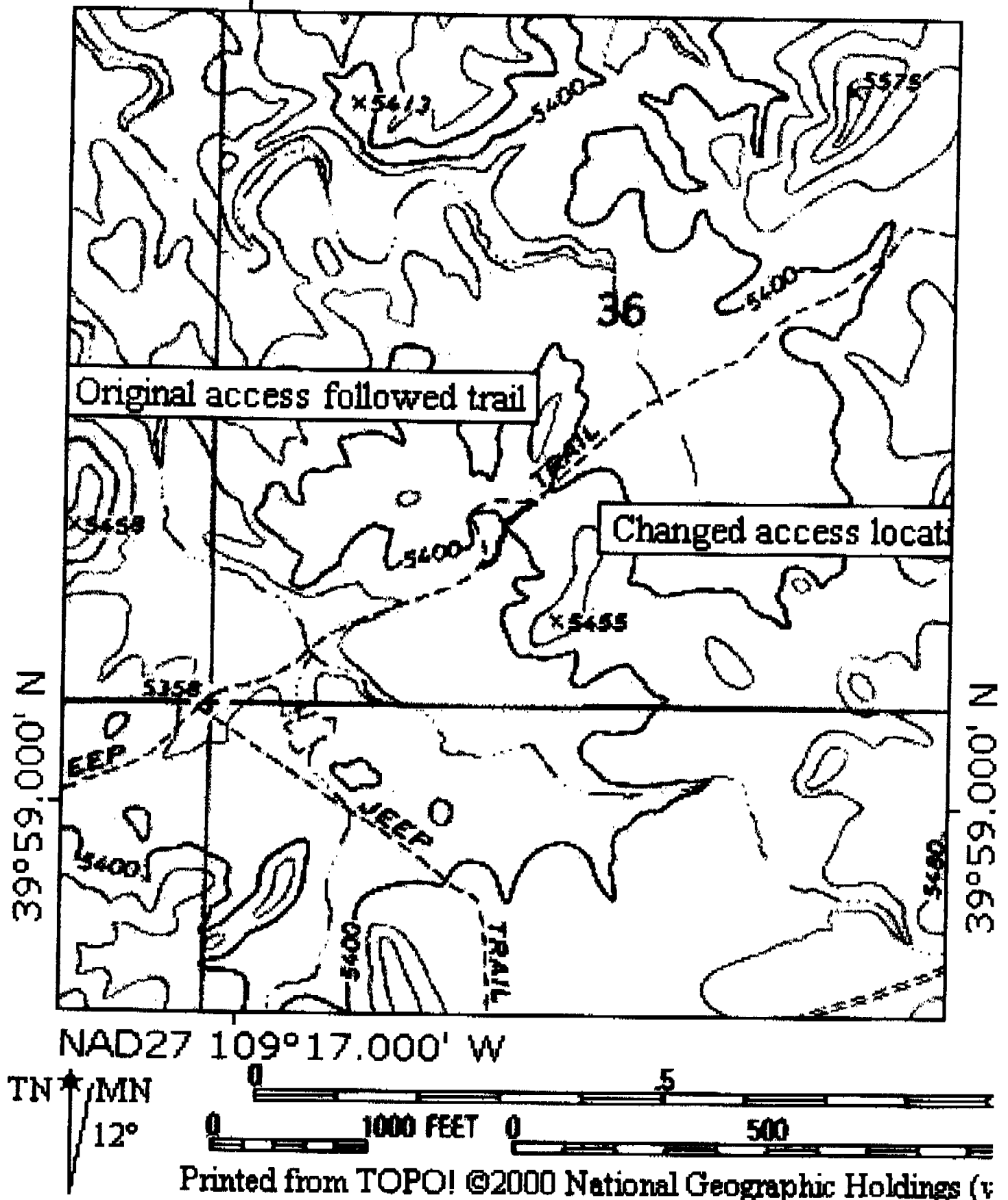


TN 12

1000 FEET 500 1000 METERS

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nted on 02/03/04 from "THEX sec 36 road.tpo" and
NAD27 109°17.000' W



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICED AND REPORTS ON WELLS

5 LEASE DESIGNATION AND SERIAL NUMBER:

ML 47782

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:

NA

7 UNIT OR CO-AGREEMENT NAME

NA

8 WELL NAME AND NUMBER

Southman Canyon 6D-32 36

9 APE NUMBER:

43-047-35362

10 FIELD AND POOL, OR WILDCAT:

None

1 TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2 NAME OF OPERATOR

The Houston Exploration Company

PHONE NUMBER

713-830-8800

3 ADDRESS OF OPERATOR

1100 Louisiana, Suite 2000, Houston TX 77002-5215

4 LOCATION OF WELL

COUNTY:

Uintah

STATE:

UTAH

FOOTAGE AT SURFACE:

2488' FNL, 2271' FWL

QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN

SE1/4, Sec. 36, T9S, R23E

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

REPAIRS/REPAIRS (Submit in Duplicate)

ASAP

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

USE OF WORK COMPLETION:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIRS

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMBINE PRODUCTION FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE DIFFERENT FORMATION

☐ REPORT CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIRS

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.

Operator proposes changing the access road location. After construction started on the access road above and below a switch back it became apparent that the switch back would be to tight a turn for tankers and water trucks. No construction has been performed on the switch back and all area proposed for disturbance by the realignment would be inside of the archeological surveyed area.

Please see the attached map for additional details.

If you require additional information please contact Bill Ryan (435-628-0968)

NAME (PLEASE PRINT)

William A. Ryan

TITLE

Agent

SIGNATURE

William A. Ryan

DATE

2/3/2004

(This space for State use only)



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

February 5, 2004

Houston Exploration Company
1100 Louisiana. Ste. 2000
Houston, TX 77002-5215

Re: Rockhouse 6D-32 Well, 1938' FNL, 2121' FWL, SE NW, Sec. 32, T. 10 South,
R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35409.

Sincerely,

A handwritten signature in black ink, appearing to read "J.R. Baza".

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA

Operator: Houston Exploration Company
Well Name & Number Rockhouse 6D-32
API Number: 43-047-35409
Lease: UT ML-47063

Location: SE NW Sec. 32 T. 10 South R. 23 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

DIVISION OF OIL, GAS AND MINING***SPUDDING INFORMATION***Name of Company: THE HOUSTON EXPLORATION COMPANYWell Name: ROCK HOUSE 6D-32Api No: 43-047-35409 Lease Type: STATESection 32 Township 10S Range 23E County UINTAHDrilling Contractor PETE MARTIN RIG # BUCKET**SPUDDED:**Date 08/25/04Time 12:00 NOONHow DRY***Drilling will commence:*** _____Reported by BRENT STUBBSTelephone # 1-435-828-8100Date 08/26/2004 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

007

ENTITY ACTION FORMOperator: The Houston Exploration CompanyOperator Account Number: N 2525Address: 1100 Louisiana, Suite 2000city Houstonstate TX zip 77002Phone Number: (713) 830-6800**Well 1**

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35771	Southman Canyon 8C-36	SENE	36	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14292	8/19/04	9/9/04		
Comments: <u>MNCS</u>						

K

Well 2

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35409	Rock House 6D-32	SENE	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14293	8/25/04	9/9/04		
Comments: <u>MNCS</u>						

K

Well 3

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35762	Rock House 12D-32	NWSW	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14294	8/24/05	9/9/04		
Comments: <u>CSLGT</u>						

K

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Theresa Overturf

Name (Please Print)

Theresa Overturf

Signature

Engineering Technician 9/1/04

Title

Date

RECEIVED**SEP 01 2004**

(3/2000)

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

008

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ML 47063
2. NAME OF OPERATOR: The Houston Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 Houston TX 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL, 2121' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E		8. WELL NAME and NUMBER: Rock House 6D-32
PHONE NUMBER: (713) 830-6938		9. API NUMBER: 409 4304735622
		10. FIELD AND POOL, OR WILDCAT:

COUNTY: Uintah

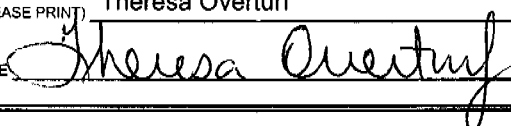
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Drlg.
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

9/1/04 - 9/30/04 Spud 9/12/04 & drld to 2190'. Ran 8 5/8" csg, set @ 2162', cmtd.

NAME (PLEASE PRINT) Theresa Overturf	TITLE Engineering Technician
SIGNATURE 	DATE 9/4/2004

(This space for State use only)

RECEIVED

OCT 06 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

009

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ML 47063
2. NAME OF OPERATOR: The Houston Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (713) 830-6938		8. WELL NAME and NUMBER: Rock House 6D-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL, 2121' FWL		9. API NUMBER: 4304735622 35409
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

10/1/04-10/31/04 Drld 2190'-7520'. Ran 4 1/2" csg to 7505' & cmted. Perf 6691'-6844' & frac w/ 154,500# 20/40 sd.

RECEIVED
NOV 12 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE

Theresa Overturf

DATE 11/8/04

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER CONFIDENTIAL

2. NAME OF OPERATOR
The Houston Exploration Company

3. ADDRESS OF OPERATOR
1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002

PHONE NUMBER:
(713) 830-6938

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY: Uintah

STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please hold all information on the following wells confidential:

Rock House 2D-32
Rock House 2D-36
Rock House 6D-32 - T.10S, R.23E, S.32, 43-047-35409
Rock House 10D-32
Rock House 12D-32
Bonanza 4D-16

RECEIVED

JAN 11 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE

DATE 1/11/2005

(This space for State use only)

(See instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8

(highlight changes)

011

5. LEASE DESIGNATION AND SERIAL NUMBER:

UT ML 47063

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER

b. TYPE OF WORK:

NEW WELL ☒

HORIZ. LATS. ☐

DEEP-EN ☐

RE-ENTRY ☐

DIFF. RESVR. ☐

OTHER

2. NAME OF OPERATOR:

The Houston Exploration Company

3. ADDRESS OF OPERATOR:

1100 Louisiana Ste 2000 CITY Houston

STATE TX ZIP 77002

PHONE NUMBER:

713-830-6938

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1938' FNL & 2121' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

10/3/04

15. DATE T.D. REACHED:

10/8/04

16. DATE COMPLETED:

11/19/04

ABANDONED ☐

READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):

5191.3' GL

18. TOTAL DEPTH: MD

7520'

TVD

19. PLUG BACK T.D.: MD

7460'

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Platform Express / TRIPLE COMBO / GR

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
16"	13 3/8"	48#	Surface	84'		70 sx Red mix		Surface	
11"	8 5/8"	24#	Surface	2162'		530sx Premium		Surface	
7 7/8"	4 1/2"	11.60#	Surface	7505'		113 sx Prem Lt		2390'	
						1075 sx CIG	306.7		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6855'							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	4886'	5082'			4886'-5082'		75	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Mesaverde	6412'	6581'			6412'-6581'		192	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Mesaverde	6691'	6844'			6691'-6844'		138	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6412'-6581'	173,500# 20/40 sd
6691'-6844'	154,500# 20/40 sd

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS

☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

☐ GEOLOGIC REPORT

☐ CORE ANALYSIS

☐ DST REPORT

☐ OTHER:

☐ DIRECTIONAL SURVEY

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A-C

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/25/04	TEST DATE: 11/29/04	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2073	WATER - BBL: 0	PROD. METHOD: Flow
CHOKE SIZE: 13.5	TBG. PRESS. 1600	CSG. PRESS. 1925	API GRAVITY 1.25	BTU - GAS 1159	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PGW

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Uteland Buttes	3162'
				Wasatch	3242'
				Mesaverde	5062'
				Sego	7284'
				Buck Tongue	7412'

35. ADDITIONAL REMARKS (Include plugging procedure)

PLEASE KEEP WELL INFORMATION CONFIDENTIAL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Lloyd BruceTITLE Senior Production EngineerSIGNATURE Lloyd BruceDATE 1/13/05

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

~~CONFIDENTIAL~~

2. NAME OF OPERATOR:

The Houston Exploration Company

3. ADDRESS OF OPERATOR:

1100 Louisiana, Ste 2000

CITY

Houston

STATE TX

ZIP 77002

PHONE NUMBER:

(713) 830-6938

5. LEASE DESIGNATION AND SERIAL NUMBER:

UT ML 47063

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Rock House 6D-32

9. API NUMBER:

4304735409

10. FIELD AND POOL, OR WILDCAT:

Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1938' FNL & 2121' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:



ACIDIZE



ALTER CASING



CASING REPAIR



CHANGE TO PREVIOUS PLANS



CHANGE TUBING



CHANGE WELL NAME



CHANGE WELL STATUS



COMMINGLE PRODUCING FORMATIONS



CONVERT WELL TYPE



DEEPEN



FRACTURE TREAT



NEW CONSTRUCTION



OPERATOR CHANGE



PLUG AND ABANDON



PLUG BACK



PRODUCTION (START/RESUME)



RECLAMATION OF WELL SITE



RECOMPLETE - DIFFERENT FORMATION



REPERFORATE CURRENT FORMATION



SIDETRACK TO REPAIR WELL



TEMPORARILY ABANDON



TUBING REPAIR



VENT OR FLARE



WATER DISPOSAL



WATER SHUT-OFF



OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well producing 11/25/04.

RECEIVED

JAN 28 2005

DIV. OF OIL, GAS & MINING

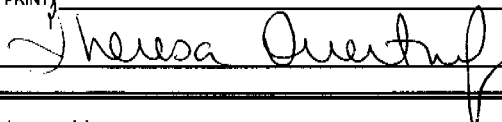
NAME (PLEASE PRINT)

Theresa Overturf

TITLE

Engineering Technician

SIGNATURE



DATE

1/24/2005

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: The Houston Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana Suite 2000 CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL & 2121' FWL		8. WELL NAME and NUMBER: Rock House 6D-32
PHONE NUMBER: (713) 830-6800		9. API NUMBER: 4304735409
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E		10. FIELD AND POOL, OR WILDCAT:

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator proposes to dewater the reserve pit on the subject well. Application for Permit to Drill approved trucking and disposal of produced and drilling fluids. Operator proposes to evaporate instead of trucking the water in the reserve pit to facilitate closing and reclamation of the reserve pit. Operator proposes to use a pumping system for evaporation.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
MAY 24 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) William A Ryan	TITLE Agent
SIGNATURE <i>William A Ryan</i>	DATE 5/19/2005

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

Change of Operator (Well Sold)

X - Operator Merger

The operator of the well(s) listed below has changed, effective:

6/1/2007

FROM: (Old Operator):

N2525 - The Houston Exploration Company
 1100 Louisiana, Suite 2000
 Houston, TX 77002

Phone: 1-(713) 830-6800

TO: (New Operator):

N6965-Forest Oil Corporation
 707 17th St, Suite 3600
 Denver, CO 80202

Phone: 1 (303) 812-1755

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/30/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/30/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 7/31/2007
- a. Is the new operator registered in the State of Utah: Business Number: 571171-0143
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: _____
- c. Reports current for Production/Disposition & Sundries on: YES
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/31/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/31/2007
- Bond information entered in RBDMS on: 7/31/2007
- Fee/State wells attached to bond in RBDMS on: 7/31/2007
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: pending

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 6236351
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6218963
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/1/2007

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
2. NAME OF OPERATOR: Forest Oil Corporation <i>N6965</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th Street, #3600 CITY Denver, STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list		8. WELL NAME and NUMBER: See Attached List
5. PHONE NUMBER: (303) 812-1755		9. API NUMBER: various
6. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:

COUNTY: *Garfield*
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

N2525

Effective 6/1/2007 please change the operator for the attached list of Utah wells from The Houston Exploration Company N-2525 to Forest Oil Corporation (N-6965). Forest merged with The Houston Exploration Company, a copy of the merger document is attached.. The contract operated wells will continue to be contract operated by Enduring.

Forest Oil Corporation as new operator, accepts all applicable terms, conditions, stipulations and restrictions concerning approved operations conducted on the lease or portion of the lease described.

Forest Oil Corporation meets the State of Utah bonding requirements under Safeco bond #6218963.

Please send all future correspondence to Forest Oil Corporation at the above listed address.

Forest Oil Corporation, 707 17th Street, Suite #3600, Denver, CO 80202

J. C. Ridens
J. C. Ridens, Senior Vice President - Western Region

7-5-07
Date

NAME (PLEASE PRINT) Joanne C. Hresko	TITLE Vice President & General Mgr. - Northern Division
SIGNATURE <i>Joanne C. Hresko</i>	DATE <i>7-5-07</i>

(This space for State use only)

APPROVED *7/13/07*
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

*No wells in APD status or
at New status
at this time*

(See Instructions on Reverse Side)

RECEIVED
JUL 30 2007

DIV OF OIL, GAS & MINING *wmp*

well_name	sec	tpw	rng	api	entity	lease	well	stat	flag	unit	qtr_qtr	l_num	op no
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	GW	S			SESE	UTU-016257	N2525
CONOCO STATE 32-2	32	080S	250E	4304730100	10096	State	GW	S			NENE	ML-11124	N2525
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P			NESW	UTU-76281	N2525
BONANZA 4B-12	12	090S	230E	4304733806	14593	Federal	D	PA			NWNW	UTU-74426	N2525
WALKER HOLLOW 13-31	31	060S	230E	4304735039		Federal	GW	LA			SESW	UTU-76280	N2525
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	S			SESW	ML-47063	N2525
BONANZA 2B-16	16	090S	240E	4304735694	14186	State	D	PA			NWNE	ML-46526	N2525
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P			NWNE	ML-47061	N2525
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	S			NWNE	ML-47063	N2525
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	S			NWSE	ML-47063	N2525
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P			NWSW	ML-47063	N2525
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P			NESW	ML-46907	N2525
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	S			NWNW	ML42061	N2525
BONANZA 12A-22	22	090S	240E	4304735922	14520	Federal	D	PA			NWSW	UTU-78118	N2525
BONANZA 14-16	16	090S	240E	4304735941	14521	State	D	PA			SESW	ML-46526	N2525
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P	C		NESW	ML-47078	N2525
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	S			SWNE	ML-47063	N2525
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P			NENW	ML-47063	N2525
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	S			SWNW	ML-47063	N2525
GUSHER 6-2	02	060S	190E	4304736963		State	OW	LA			SESW	ML-49144	N2525
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	DRL	C		NENW	ML-49317	N2525
N HORSESHOE 12-7-6-22	07	060S	220E	4304737392		State	GW	LA			NWSW	ML-47969	N2525
N HORSESHOE 16-9-6-22	09	060S	220E	4304737393		State	GW	LA			SESE	ML-47969	N2525
N HORSESHOE 14-10-6-22	10	060S	220E	4304737394		State	GW	LA			SESW	ML-47969	N2525
N HORSESHOE 2-15-6-22	15	060S	220E	4304737395		State	GW	LA			NWNE	ML-47969	N2525
N HORSESHOE 4-15-6-22	15	060S	220E	4304737396		State	GW	LA			NWNW	ML-47969	N2525
N WALKER HOLLOW 12-32-6-23	32	060S	230E	4304737397		State	GW	LA			NWSW	ML-47777	N2525
N WALKER HOLLOW 16-32-6-23	32	060S	230E	4304737398		State	GW	LA			SESE	ML-47777	N2525
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	DRL	C		NWNE	ML-47777	N2525
N WALKER HOLLOW 10-32-6-23	32	060S	230E	4304737400		State	GW	LA			NWSE	ML-47777	N2525
N WALKER HOLLOW 8-32-6-23	32	060S	230E	4304737401		State	GW	LA			SENE	ML-47777	N2525
N WALKER HOLLOW 11-36-6-23	36	060S	230E	4304737462		State	GW	LA			NESW	ML-47970	N2525
N WALKER HOLLOW 13-36-6-23	36	060S	230E	4304737463		State	GW	LA			SWSW	ML-47970	N2525
N WALKER HOLLOW 15-36-6-23	36	060S	230E	4304737464		State	GW	LA			SWSE	ML-47970	N2525
N WALKER HOLLOW 14-32-6-23	32	060S	230E	4304737478		State	GW	LA			SESW	ML-47777	N2525
HACKING RES 11-32-8-25	32	080S	250E	4304737479		State	GW	LA			NESW	ML-11124	N2525
HACKING RES 3-32-8-25	32	080S	250E	4304737480		State	GW	LA			NENW	ML-11124	N2525
HACKING RES 5-32-8-25	32	080S	250E	4304737481		State	GW	LA			SWNW	ML-11124	N2525
HACKING RES 15-32-8-25	32	080S	250E	4304737482		State	GW	LA			SWSE	ML-11124	N2525
HACKING RES 9-32-8-25	32	080S	250E	4304737483		State	GW	LA			NESE	ML-11124	N2525
HACKING RESERVOIR 7-32-8-25	32	080S	250E	4304737571	15885	State	GW	DRL	C		SWNE	ML-11124	N2525

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

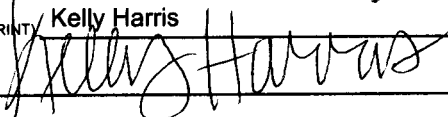
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: Forest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th St. Ste 3600 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL & 2121' FWL		8. WELL NAME and NUMBER: Rock House 6D-32
PHONE NUMBER: (303) 812-1676		9. API NUMBER: 4304735409
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 10S 23E		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/1/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Weed Control
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out on 7/1/2009 and applied 40 Gallons of weed control spray at 1:24. Please see attached invoice that covers all of the wells listed, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) Kelly Harris	TITLE Regulatory Tech
SIGNATURE 	DATE 2/22/2010

(This space for State use only)

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Pride Weed Control, Inc.

8100 Hwy 550
Durango CO 81303

Invoice

Date	Invoice #
7/8/2009	13710

Bill To
Forest Oil Corporation

Service Location
Bare Ground Weed Control

P.O. No.	Terms	Due Date
	2% 10 Net 30	8/7/2009

Item	Description	Quantity	Rate	Amount
4.3	Bare Ground Vegetation Management: By Production Unit		1,922.50	1,922.50T
Mojave 70 EG	EPA 74477-9-81927	22.4	5.00%	0.00 96.13
Commercial applicators are licensed by the Colorado Department of Agriculture				
Phone #	Fax #	E-mail	Total \$2,018.63	
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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FOREST OIL BARE GROUND INVOICE #13710 July 8, 2009
PRIDE WEED CONTROL, INC.

[illegible]

BUREAU OF LAND MANAGEMENT
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
 - a. Phone Number: 970-247-9778
 - b. Project Name: Various Oil and Gas Facilities for Forest Oil
 - c. Pesticide Use Proposal Number: _____
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
 - a. Company or Manufacturer Name: ALLIGARE LLC
 - b. Trade Name: MOJAVE
 - c. Type of Formula: DISPERSABLE GRANULAR
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and
14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

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11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

*This record if required by law and must completed except for monitoring within
24 hours after completion of application of pesticides. This record must be
maintained for a minimum of 10 years.

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant
Forest Oil Corporation
916 Upland Way
Green River WY 82935

Mr. George Thompson
Pride Weed Control
8100 Hwy 550
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:
http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf.

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at Clayton_Newberry@blm.gov.

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,


Clayton Newberry

Enclosures: PUP approval letter
Pesticide Application Record Form
sample completed Pesticide Application Record Form

Rock House File
10 August 2009

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY

9015

REFER TO:

(UT-933)

BUREAU OF LAND MANAGEMENT, VERNAL, UT

ALL EMPLOYEES

JUL 29 2009

Memorandum

To: Vernal Field Manager

From: Deputy State Director, Natural Resources

Subject: Pesticide Use Proposal Approvals

BLM VERNAL, UTAH

Your Pesticide Use Proposal (PUP) LLUTG01000 -17 with eleven herbicide formulations (eight active ingredients: Glyphosate, Dicamba, Triclopyr+Clopyralid, Metsulfuron Methyl, 2,4-D, Imazapyr+Diuron) and two adjuvants (surfactant and dye) is approved with one modification, shown below and on the PUP. The objective of these treatments is for bare ground control to improve worker safety and reduce fire hazards around oil and gas facilities and equipment. This PUP is approved for a period of one year from the date of approval, approximately July 31, 2010.

Modification: Items #10 and #11 Mojave 70EG and Sahara DG: The recommended use rate is ≤ 10 lbs/acre in a $< 15"$ rainfall zone. The proposed intended use rate of 10-12 lbs/acre is slightly higher. UTSO requests that the operator adhere to the recommendation guidelines in the label and limit applications to 10 lbs/ac/yr. If for some unforeseen reason this rate does not provide adequate control, this may be negotiated with the FO weed specialist to a maximum of 12 lbs/ac/yr after the first year, and approved in writing (notated on the original PUP).

Also, for future PUP submissions, it is requested that the Field Office submit the information on a single form rather than duplicate information on multiple forms. Invariably data does not match and it creates extra work to correct both forms. Additionally, herbicide labels should be included in future PUP submissions.

The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.

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Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

Handwritten signature

Attachments

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

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U.S. DEPARTMENT OF INTERIOR
PESTICIDE USE PROPOSAL

EA NUMBER: UT - 08-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: *One* 3 Years

DATE:

PROPOSAL NUMBER:

EA REFERENCE NUMBER:

DECISION RECORD (DR) NUMBER:

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

Attach map(s) and/or a list of sites * (Sites Listed)

ORIGINATOR - NAME: Clay Grant

ORIGINATOR - COMPANY: Forest Oil Corporation

ORIGINATOR - CONTACT INFORMATION: 916 Upland Way Green River, WY 82935

Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

I. APPLICATION SITE DESCRIPTION:

1. ESTIMATED NUMBER OF ACRES: 70
2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

II. DESIRED RESULTS OF APPLICATION: (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control if noxious species.

III. SENSITIVE ASPECTS AND PRECAUTIONS: (Describe sensitive areas - marsh, endangered, threatened, candidate, and sensitive species habitat - and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

IV. NON-TARGET VEGETATION (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed - BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

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V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:

Spraying only

VI. Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agroscience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

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2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL (row numbers correspond to Table 1)				
Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 VELS
Max Rate
ae/acre/yr
7.0 lbs ae/ae
(9.3 qts prod)
2.0 lbs ae
10 lbs T ae
1 lb C ae
2.0 lbs ae
10 lbs T ae
1 lb C ae
.15 lbs ai
1.9 lbs ae
.15 lbs ai
7.0 lbs ae/ae
(9.3 qts prod)
1.5 lbs ai
20 lbs ai
1.5 lbs ai
20 lbs

3. INTENDED APPLICATION RATE (rows correspond to Table 1)				
Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.

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4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP. RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

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VII. The following must be filled out legibly and signed by the Applicator and Originator. If **DWR OF OH, GAS & MINING** in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide e.g., Joe's Weed Killer's, LLC. "Originator" refers to the company which originates this herbicide use request e.g., Gas R Us, Inc.

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068

Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *Clay W. Grant*

Date: 5/6/2009

Printed / typed name: Clay W. Grant

SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]*

Date: 4 Jun 2009

FO Manager approval: *William [Signature]*

Date: 6/4/09

State Coordinator signature: *Lisa Bryant*

Date: 7/28/09

Deputy State Director approval: *[Signature]*

Date: 7/28/09

☐ APPROVED

☐ DISAPPROVED

☒ APPROVED WITH MODIFICATIONS (see below):

Modifications:

Recommended use rates for Mojave 70EG & Sahara DG in <15" prec zone is <10 lbs/acre/yr. Operator should adhere to label recommendations unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing w/ FO weed special. attached to this PUP.

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr – 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.

"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.

"Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilator-Weed, Inc.

Originator company: Forest Oil Corporation

Originator contact name: Clay Grant

Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967

Originator mailing address: 916 Upland Way, Green River WY 82935

Applicator company name: Pride Weed Control, Inc.

Applicator name: George Thompson

Applicator license no.: 4001-14068 exp. 12/31/2011

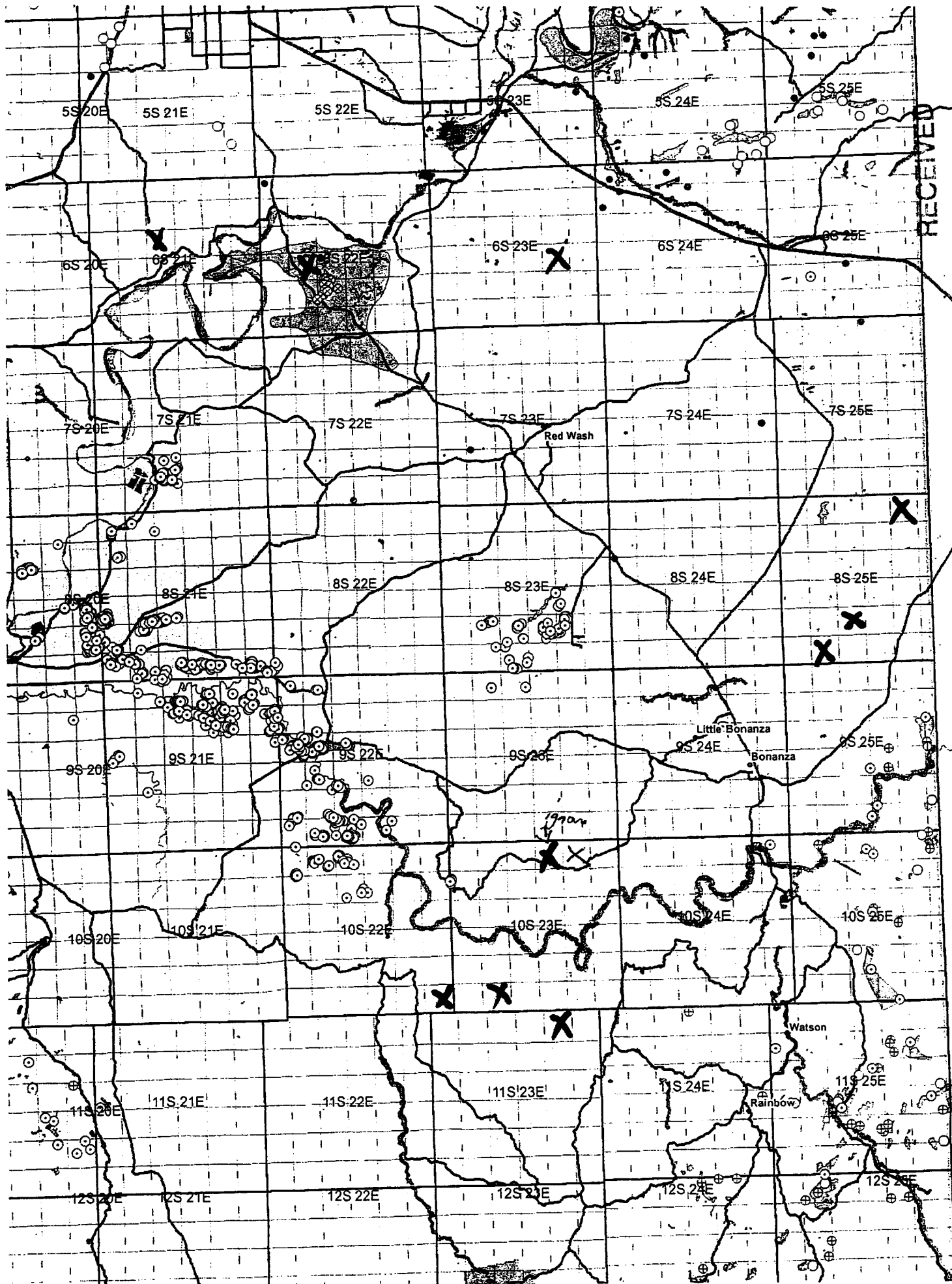
Applicator phone & fax numbers: phone 970-247-9778

Applicator mailing address: 8100 Hwy 550, Durango, CO 81303

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L1-106477-6

[illegible]

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PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad #

Complex

%

Applicator John Smith

Watershed: Red Creek

Address

Allotment

License No. xyz123

Phone # 123.456.7891

Quad Name(s)

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo #

GPS Reading

Slide Photo

Weed Species	Phenology	Cover Class	Pattern	Infest. Size	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre)
						51.85 lbs ac/acre
Canada thistle	2	2	2	2	WEATHER	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

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PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad #

Complex

%

Applicator John Smith

Watershed: Red Creek

Address

Allotment

License No. xyz123

Phone # 123.456.7891

Quad Name(s)

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

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Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	BIOLOGICAL TREATMENT
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

COVER CLASS - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

PATTERN - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

INFESTATION SIZE - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

PHENOLOGY - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

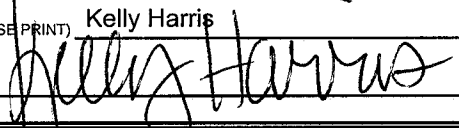
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: Forest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th Street, Ste 3600 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL & 2121' FWL		8. WELL NAME and NUMBER: Rock House 6D-32
PHONE NUMBER: (303) 812-1676		9. API NUMBER: 4304735409
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 10S 23E		10. FIELD AND POOL, OR WILDCAT: WILDCAT
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/1/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Weed Control
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out and applied Noxious weed control on 7/1/2009 at 1:20. Please see attached invoice that covers all of the wells that are listed on the attached spreadsheet, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) Kelly Harris	TITLE Regulatory Tech
SIGNATURE 	DATE 3/17/2010

(This space for State use only)

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Pride Weed Control, Inc.

8100 Hwy 550
Durango CO 81303

Invoice

Date	Invoice #
7/8/2009	13709

Bill To
Forest Oil Corporation

Service Location
Noxious Weed Control

P.O. No.	Terms	Due Date
	2% 10 Net 30	8/7/2009

Item	Description	Quantity	Rate	Amount
2.3	Noxious Weed control by Acre	27.5	157.50	4,331.25T
Rifle	Pints: EPA Reg #42750-40-34704	27.39		0.00
2, 4-D LV 6#	Gallons EPA Reg#34704-12	6.85		0.00
			5.00%	216.56
Commercial applicators are licensed by the Colorado Department of Agriculture				
Phone #	Fax #	E-mail	Total \$4,547.81	
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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Forest Oil Noxious Invoice #13709 July 8, 2009

PRIDE WEED CONTROL, INC.

BLOCK	NAME	NO	LOCATION	LEASE	DATE	TIME	ACRES	OZ	NET	TAXABLE	TAX EXEMPT	TAX EXEMPT CHG	TAX CHG	CHARGES	TAX	TOTAL
10-22	Rock House	4-36	NWNW 36, 10, 22	ML-42061	7/2/2009	4:15	3.94	157.7	3.94	3.94	0	\$0.00	\$620.55	\$620.55	\$31.03	\$651.58
10-23	Rock House	05-32-10-23	SWNE 32, 10, 23	ML-47063	7/1/2009	1:09	2.64	126.9	2.64	2.64	0	\$0.00	\$415.80	\$415.80	\$20.79	\$436.59
10-23	Rock House	7-32-10-23	SWNE 32, 10, 23	ML-47063	7/2/2009	1:45	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	10D-32	NWSE 32, 10, 23	ML-47063	7/2/2009	12:58	1.82	87.5	1.82	1.82	0	\$0.00	\$286.65	\$286.65	\$14.33	\$300.98
11-23	Rock House (11-02)	11-23-23-02	NESW 2, 11, 23	ML-47078	7/2/2009	11:30	1.7	80.5	1.7	1.7	0	\$0.00	\$267.75	\$267.75	\$13.39	\$281.14
10-23	Rock House	11-31	NESW 31, 10, 23	UTU-76281	7/2/2009	2:18	2.23	107.2	2.23	2.23	0	\$0.00	\$351.23	\$351.23	\$17.56	\$368.79
10-23	Rock House	11-36	NESW 36, 10, 22	ML-42061	7/2/2009	3:30	1.44	108.5	1.44	1.44	0	\$0.00	\$226.80	\$226.80	\$11.34	\$238.14
10-23	Rock House	12D-32	NWSW 32, 10, 23	ML-47063	7/1/2009	1:05	2.92	140	2.92	2.92	0	\$0.00	\$459.90	\$459.90	\$23.00	\$482.90
10-23	Rock House	2D-32	NWNE 32, 10, 23	ML-47063	7/2/2009	12:58	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	2D-36	NWNE 36, 10, 22	ML-42061	7/2/2009	3:18	3.07	150.8	3.07	3.07	0	\$0.00	\$483.53	\$483.53	\$24.18	\$507.70
10-23	Rock House	3-32-10-23	NENW 32, 10, 23	ML-41063	7/1/2009	1:50	2.81	135.5	2.81	2.81	0	\$0.00	\$442.58	\$442.58	\$22.13	\$464.70
10-23	Rock House	6D-32	SENEW 32, 10, 23	ML-47063	7/1/2009	1:20	2.09	92.8	2.09	2.09	0	\$0.00	\$329.18	\$329.18	\$16.46	\$345.63
							27.5	1314.4	27.5	27.5	0	\$0.00	\$4,331.27	\$4,331.27	\$216.57	\$4,547.81

BUREAU OF LAND MANAGEMENT
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
 - a. Phone Number: 970-247-9778
 - b. Project Name: Various Oil and Gas Facilities for Forest Oil
 - c. Pesticide Use Proposal Number: _____
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
 - a. Company or Manufacturer Name: ALLIGARE LLC
 - b. Trade Name: MOJAVE
 - c. Type of Formula: DISPERSABLE GRANULAR
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and
14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

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11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

*This record if required by law and must completed except for monitoring within
24 hours after completion of application of pesticides. This record must be
maintained for a minimum of 10 years.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant
Forest Oil Corporation
916 Upland Way
Green River WY 82935

Mr. George Thompson
Pride Weed Control
8100 Hwy 550
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:
http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf.

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at Clayton_Newberry@blm.gov.

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,

Clayton Newberry

Enclosures: PUP approval letter
Pesticide Application Record Form
sample completed Pesticide Application Record Form

10 August 2009

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The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.

Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

Verlin Smith

Attachments

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

U.S. DEPARTMENT OF INTERIOR
PESTICIDE USE PROPOSAL

EA NUMBER: UT-18-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: ^{One} 3 Years

DATE:

PROPOSAL NUMBER:

EA REFERENCE NUMBER:

DECISION RECORD (DR) NUMBER:

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

Attach map(s) and/or a list of sites * (Sites Listed)

ORIGINATOR - NAME: Clay Grant

ORIGINATOR - COMPANY: Forest Oil Corporation

ORIGINATOR - CONTACT INFORMATION: 916 Upland Way Green River, WY 82935

Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

I. APPLICATION SITE DESCRIPTION:

1. ESTIMATED NUMBER OF ACRES: 70
2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

II. DESIRED RESULTS OF APPLICATION: (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control of noxious species.

III. SENSITIVE ASPECTS AND PRECAUTIONS: (Describe sensitive areas - marsh, endangered, threatened, candidate, and sensitive species habitat - and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

IV. NON-TARGET VEGETATION (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed - BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:

Spraying only

VI. Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agroscience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL (row numbers correspond to Table 1)				
Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 VELS
Max Rate
ae/acre/yr

7.0 lbs ae/ae
(9.3 qts produ)

2.0 lbs ae

10 lbs T ae
1 lb C ae

2.0 lbs ae

10 lbs T ae
1 lb C ae

1.5 lbs ai

1.9 lbs ae

1.5 lbs ai

7.0 lbs ae/ae
(9.3 qts produ)

1.5 lbs ai

20 lbs ai

1.5 lbs ai

20 lbs

3. INTENDED APPLICATION RATE (rows correspond to Table 1)				
Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A

* see mod.

* see mod.

4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)				
Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)					
TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP.RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

VII. The following must be filled out legibly and signed by the Applicator and Originator. If your handwriting is in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide e.g., Joe's Weed Killers, LLC "Originator" refers to the company which originates this herbicide use request e.g., Cox R Us, Inc.

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068 Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *[Signature]* Date: 5/6/2009
Printed / typed name: P. W. GRANT SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]* Date: 4 Jun 2009

FO Manager approval: *William Hume* Date: 6/4/09

State Coordinator signature: *Lisa Bryant* Date: 7/28/09

Deputy State Director approval: *[Signature]* Date: 7/28/09

☐ APPROVED

☐ DISAPPROVED

☒ APPROVED WITH MODIFICATIONS (see below):

Modifications:

Recommended use rates for Mojave 70EG & Sahara DG in <15" piñon zone is <10 lbs/acre/yr. Operator should adhere to label recommendations, unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing w/ FO weed specialist & attached to this PUP.

1. PESTICIDES (row numbers in Table 1 should correspond to same row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	dicamba	34704-861	Loveland	liquid	hndgn, trctr, trk, ATV
3	Redeem R&P	triclopyr + clopyralid	62719-337	Dow	liquid	hndgn, trctr, trk, ATV
4	Cruise Control	dicamba	42750-40-81927	Alligare	liquid	hndgn, trctr, trk, ATV
5	Prescott	triclopyr + clopyralid	81927-30	Alligare	liquid	hndgn, trctr, trk, ATV
6	MSM 60	metsulfuron methyl	81927-7	Alligare	dry granular	hndgn, trctr, trk, ATV
7	Low Vol 6	2,4-D	34704-125	Loveland	liquid	hndgn, trctr, trk, ATV
8	Escort XP	metsulfuron methyl	352-439	DuPont	dry granular	hndgn, trctr, trk, ATV
9	Glyphosate 4 Plus	glyphosate	81927-9	Alligare	liquid	hndgn, trctr, trk, ATV
10	Mojave 70 EG	imazapyr + diuron	34477-9-81927	Alligare	dry granular	hndgn, trctr, trk, ATV
11	Sahara DG	imazapyr + diuron	241-372	BASF	dry granular	hndgn, trctr, trk, ATV

2. APPLICATION RATE ACCORDING TO PRODUCT LABEL (rows correspond to rows in Table 1)				
Row No.	TRADE NAME	MAXIMUM ALLOWABLE APPLICATION RATE ON PRODUCT LABEL	RATE PER ACRE RECOMMENDED ON PRODUCT LABEL	for liquid formulations only: POUNDS ACID EQUIVALENT (AE) PER ACRE
1	Round-Up Pro	(p.2) 10.6 qts / acre	(p.8) 1 - 2 qts / acre	0.75 - 1.5 Lbs AE / acre
2	Rifle	(p.10) 2 qts / acre	(p.10-11) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
3	Redeem R&P	(p.7) 4 pts / acre	(p.7) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
4	Cruise Control	(p.7) 2 qts / acre	(p.8) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
5	Prescott	(p.3) 4 pts / acre	(p.4) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
6	MSM 60	(p.3) 2 oz / acre	1 - 2 oz / acre	NA
7	2,4-D Low Vol 6	(p.4) 5.33 pts / acre	(p.4) 2.67 - 5.33 pts / acre	1.87 - 3.73 Lbs AE / acre
8	Escort XP	(p.3) 4 oz / acre	(p.5) 0.5 - 2.0 oz / acre	NA
9	Glyphosate 4 Plus	(p.14) 10 Gal / acre	(p.14) 3 - 10 Gal / acre	12 - 40 Lbs AE / acre
10	Mojave 70 EG	(p.5) 13 Lbs / acre	(p.4) 7 - 10 Lbs / acre	NA
11	Sahara DG	(p.4) 13 Lbs / acre	(p.4) 7 - 13 Lbs / acre	NA

3. INTENDED APPLICATION RATE (rows correspond to rows in Table 1)					
Row No.	TRADE NAME	INTENDED APPLICATION RATE	for dry formulations only: INTENDED POUNDS ACTIVE INGREDIENT / ACRE	for liquid formulation only: INTENDED POUNDS ACID EQUIVALENT / ACRE	for office use only: VEIS RATE / ACRE (AE, AI, or formulated product)
1	Round-Up Pro	2 qts / acre	NA	1.5 Lbs AE / acre	7.0 Lbs AE / acre
2	Rifle	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
3	Redeem R&P	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
4	Cruise Control	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
5	Prescott	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
6	MSM 60	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
7	2,4-D Low Vol 6	2.67 pts / acre	NA	1.85 Lbs AE / acre	1.9 Lbs AE / acre
8	Escort XP	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
9	Glyphosate 4 Plus	1 Gal / acre	NA	3 Lbs AE / acre	7.0 Lbs AE / acre
10	Mojave 70 EG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr
11	Sahara DG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr

4. PESTICIDE TIMING & TARGET (rows correspond to rows in Table 1)						
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Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr – 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.

"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.

"Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilo-Weed, Inc.

Originator company: Forest Oil Corporation

Originator contact name: Clay Grant

Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967

Originator mailing address: 916 Upland Way, Green River WY 82935

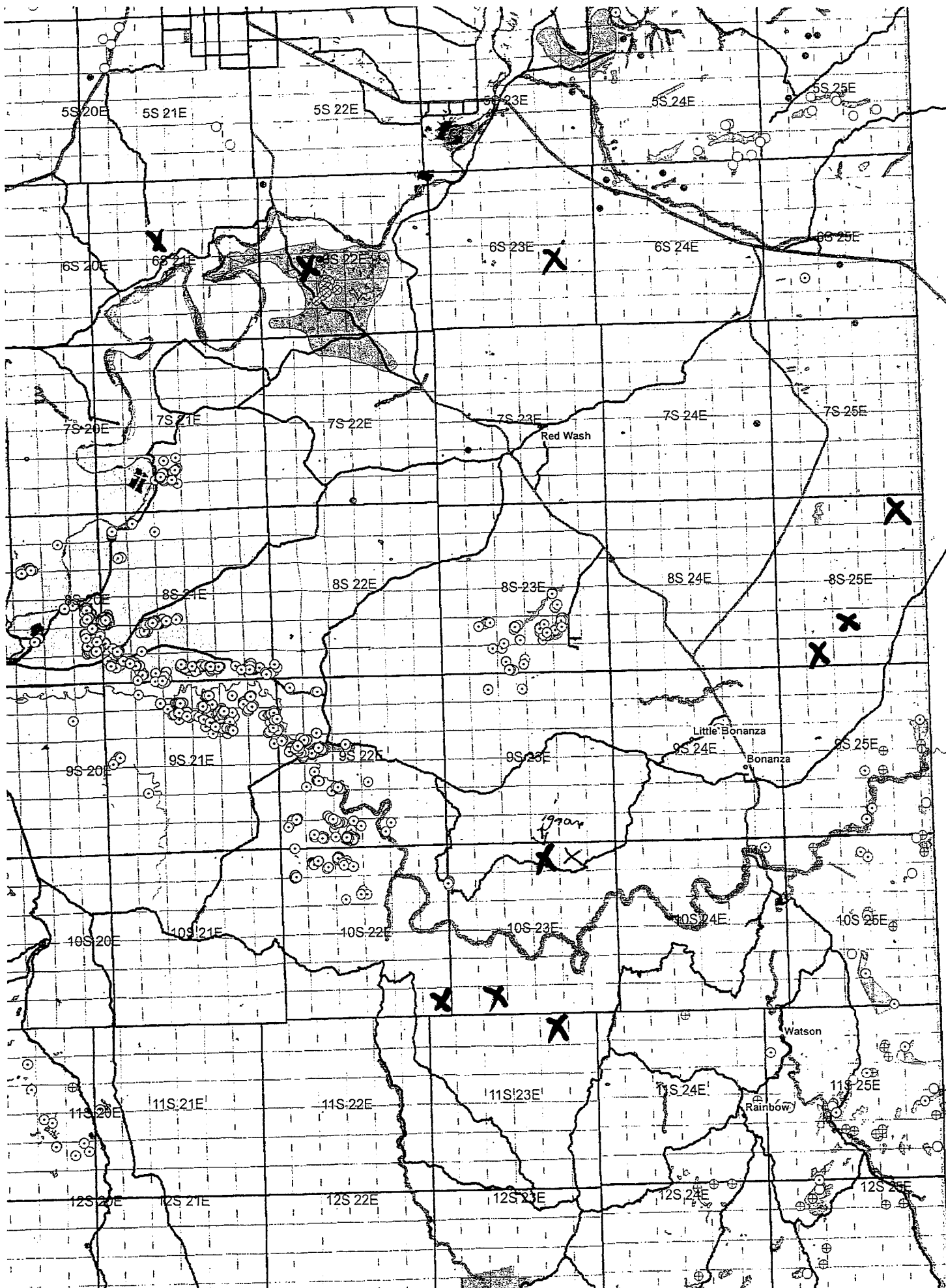
Applicator company name: Pride Weed Control, Inc.

Applicator name: George Thompson

Applicator license no.: 4001-14068 exp. 12/31/2011

Applicator phone & fax numbers: phone 970-247-9778

Applicator mailing address: 8100 Hwy 550, Durango, CO 81303



09-4447501-17

Weed Management Area:				Site Name:	
Vegetation/Community Type:				Weed Site #	
Complex		%		Applicator:	
Watershed				Address:	
Allotment:				License No.:	
Quad Name(s):				County:	
Location T. , R. , Sec. , ¼ ¼				Aerial Photo #	
GPS Reading				Slide Photo	

[illegible]

PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # _____

Complex _____

% _____

Applicator John Smith

Watershed: Red Creek

Address _____

Allotment _____

License No. xyz123

Phone # 123.456.7891

Quad Name(s) _____

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # _____

GPS Reading _____

Slide Photo _____

Weed Species	Phenology	Cover Class	Pattern	Infest. Size	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) 51.85 lbs ac/acre
Canada thistle	2	2	2	2	WEATHER	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # _____

Complex _____

% _____

Applicator John Smith

Watershed: Red Creek

Address _____

Allotment _____

License No. xyz123

Phone # 123.456.7891

Quad Name(s) _____

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # _____

GPS Reading _____

Slide Photo _____

Weed Species	P h e n o l o g y	C o v e r C l a s s	P a t t e r n	I n f e s t. S i z e	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) 51.85 lbs ac/acre
Canada thistle	2	2	2	2	WEATHER	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

COVER CLASS - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

PATTERN - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

INFESTATION SIZE - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

PHENOLOGY - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

5/31/2013

FROM: (Old Operator):
N6965-Forest Oil Corporation
707 17th Street, Suite 3600
Denver, CO, 80202

Phone: 1 (303) 812-1676

TO: (New Operator):
N2750-Enduring Resources, LLC
511 16th Street, Suite 700
Denver, CO, 80202

Phone: 1 (303) 573-1222

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	D	PA
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	D	PA
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	P
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	P
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	P
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	P
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	P
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	P
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	S
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	TA

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/4/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/4/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2013
- a. Is the new operator registered in the State of Utah: Y Business Number: 5771233-0161
- a. (R649-9-2) Waste Management Plan has been received on: Y
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 5/29/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/18/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/18/2013
- Bond information entered in RBDMS on: (Blanket Bond already established) 6/24/2013
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000173
2. Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0008031
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 6/4/2013

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

From Forest Oil Corporation (N6965) to Enduring Resources LLC (N2750)
Effective 31-May-2013

Well Name	Sec	Township	Range	Well API Number	Utah Entity Number	Mineral Lease Type	Well Type	Well Status
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	Dry Hole	Plugged & Abandoned
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	Dry Hole	Plugged & Abandoned
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	Gas Well	Producing Well
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	Gas Well	Producing Well
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	Gas Well	Producing Well
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	Gas Well	Producing Well
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	Gas Well	Producing Well
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	Gas Well	Producing Well
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	Gas Well	Producing Well
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	Gas Well	Producing Well
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	Gas Well	Producing Well
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	Gas Well	Producing Well
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	Gas Well	Producing Well
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	Gas Well	Producing Well
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	Gas Well	Shut-In well
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	Gas Well	TA-Temporarily Abandoned

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

SEE ATTACHED LIST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

SEE ATTACHED LIST

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER _____

2. NAME OF OPERATOR:

Enduring Resources, LLC

3. ADDRESS OF OPERATOR:

511 16th Street, Suite 700

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 573-1222

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

5/31/2013

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Utah State Bond #RLB0008031 - Operator No. N2750

Change of operator from Forest Oil Corporation to Enduring Resources, LLC effective 5/31/2013

Enduring Resources, LLC
51116th Street, Suite 700
Denver, Colorado 80202

Operator No. N2750
Utah State Bond #RLB0008031

FOREST OIL CORPORATION

X

BY: Scott Laverde

TITLE: Vice President N6965

DATE: 5/31/2013

NAME (PLEASE PRINT)

Alex B. Campbell

TITLE

Vice President

SIGNATURE

DATE

5/31/2013

(This space for State use only)

APPROVED * Subject to Conditions of Approval.

(5/2000)

JUN 18 2013

(See Instructions on Reverse Side)

DIV. OIL GAS & MINING

BY: Zeke Clements for Rachel Medina.

* Subject to Conditions of Approval

RECEIVED
JUN 04 2013
Div. of Oil, Gas & Mining

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL for
Change Of Operator
from Forest Oil Corporation (N6965)
to Enduring Resources, LLC (N2750)
effective 31-May-2013

The Conditions Of Approval are applicable to the following 2 wells:

Well Name and No.	Well API Number	Section	Township	Range	Meridian
N WALKER HOLLOW 2-32-6-23	4304737399	32	6 South	23 East	SLB&M
N HORSESHOE 3-16-6-21	4304737391	16	6 South	21 East	SLB&M

The Conditions Of Approval are:

1. If the wells are not producing commercial quantities within 60 days, then an additional bond will be required from Enduring Resources LLC. This should be ongoing commercial production.
2. If the plan is to plug the well, then approved plugging sundries should be in place and the wells plugged by Enduring Resources LLC no later than September 15, 2013.
3. If Enduring Resources LLC plans to review the wells further, then the following is required by August 15, 2013:
 - a. Additional Bonding, and
 - b. Plan for Wells future, and
 - c. Completed MIT showing integrity

The plan for the wells future should be submitted on a sundry notice, with the MIT and a request for extended SI/TA (Shut-In/Temporarily Abandoned) status. Approval by the Division is required to keep wells in ongoing SI/TA status. These 2 wells have been in SI/TA status over 4 years, so good justification is needed for an extension.

Well Name	API Well Number	Lease Number	Well Status	Field Name	Surface Owners	Mineral Lease	County	Qtr/Qtr	Sec	Twn Rge	FNL/FSL	FEL/FWL
COYOTE BASIN 28-01	43-047-30098	UTU-16257	P & A	WILDCAT	Federal	Federal	UINTAH	SESE	28	8S-25E	851 S	1039 E
N HORSESHOE 13-20-6-22	43-047-38020	UTU-76768	DRY HOLE	WILDCAT	Federal	Federal	UINTAH	SWSW	20	6S-22E	984 S	760 W
ROCK HOUSE 11-31	43-047-33312	UTU-76281	Producing	NATURAL BUTTES	Federal	Federal	UINTAH	NESW	31	10S-23E	1980 S	1980 W
ROCK HOUSE 6D-32	43-047-35409	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SENE	32	10S-23E	1938 N	2121 W
ROCK HOUSE 2D-36	43-047-35759	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	36	10S-22E	1012 N	1654 E
ROCK HOUSE 2D-32	43-047-35760	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	32	10S-23E	932 N	2291 E
ROCK HOUSE 10D-32	43-047-35761	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSE	32	10S-23E	2367 S	1595 E
ROCK HOUSE 12D-32	43-047-35762	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSW	32	10S-23E	1611 S	951 W
ROCK HOUSE 11-36	43-047-35900	ML 46907	Producing	NATURAL BUTTES	State	State	UINTAH	NESW	36	10S-22E	2137 S	1801 W
ROCK HOUSE 4-36	43-047-35901	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNW	36	10S-22E	837 N	646 W
ROCK HOUSE 11-2	43-047-36153	ML 47078	Producing	ROCK HOUSE	State	State	UINTAH	NESW	2	11S-23E	2233 S	1863 W
ROCK HOUSE 7-32-10-23	43-047-36306	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNE	32	10S-23E	1866 N	2064 E
ROCK HOUSE 3-32-10-23	43-047-36307	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NENW	32	10S-23E	524 N	2151 W
ROCK HOUSE 5-32-10-23	43-047-36410	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNW	32	10S-23E	2405 N	852 W
N WALKER HOLLOW 2-32-6-23	43-047-37399	ML 47777	SHUT-IN	UNDESIGNATED	State	State	UINTAH	NWNE	32	6S-23E	581 N	1945 E
N HORSESHOE 3-16-6-21	43-047-37391	ML 49317	T/A	WILDCAT	State	State	UINTAH	NENW	16	6S-21E	825 N	2067 W

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